FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

JANUARY 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of January 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5275 living children, of whom 2695 were males, and 2580 were females. Compared with the numbers registered in the previous month, those of male children are 238 more, and those of female children are 182 more. Compared with the mean of the numbers of the three preceding months the male children are 358 more, and the female children 290 more. The total children of the month are 420 more than those registered in the previous month, 648 more than the mean of the numbers of the three preceding months, but 501 fewer than in January of last year.

The monthly birth-rate of these towns taken collectively was 25·9 per thousand. This rate is 1·8 more than in the previous month, and 2·7 more than the mean of those of the three preceding months, but is 2·8 less than that of January of last year. In the individual towns this rate ranged from 29·3 in Greenock, 28·6 in Coatbridge, 28·3 in Paisley and 28·0 in Glasgow, to 20·9 in Perth, 21·9 in Aberdeen, 22·4 in Dunfermline, and 22·6 in Edinburgh. In Hamilton the monthly birth-rate was 26·6, in Kilmarnock 26·6, in Dundee 25·8, in Motherwell and Wishaw 25·0, in Clydebank 24·9, in Ayr 24·5, in Falkirk 23·2, and in Kirkcaldy 22·8.

Of the 5275 children whose births were registered during the month 4933, or 93·5 per cent., were legitimate, while 342, or 6·5 per cent., were illegitimate. The legitimate children of the month numbered 425 more than those of the previous month, and 632 more than the mean of the numbers of the three preceding months, but 436 fewer than in January of last year. The illegitimate children of the month numbered 5 fewer than in the previous month, and 65 fewer than in the corresponding month of last year, but 16 more than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·6 less than that of the previous month, 0·5 less than the mean of the rates of the three preceding months, and 0·5 less than that of January of last year. In the individual towns the illegitimate rate of the month varied from 9·1 per cent. in Dundee, 8·8 in Falkirk, 8·4 in Aberdeen, and 8·0 in Ayr, to 2·0 in Clydebank, 3·4 in Perth, and 4·4 in Greenock and in Hamilton.

Marriages registered during the month numbered 2351. This number is 548 more than that of the previous month, 768 more than the mean of those of the three preceding months, and 82 more than that of January of last year. The monthly marriage-rate is 11·6 per thousand. It is 2·6 more than that of the previous month, 3·6 more than the mean of those of the three preceding months, and 0·3 more than that of January of last year. In the individual towns the marriage-rate varied from 13·9 in Dundee, 13·8 in Kirkcaldy, 13·5 in Glasgow, and 12·1 in Dunfermline and in Perth, to 5·7 in Motherwell and Wishaw, 5·7 in Clydebank, and 6·6 in Greenock.

Deaths registered during the month numbered 3381, 1683 being of males and 1698 of females. Compared with the number registered in the previous month, deaths of males are 147 more, and of females 233 more. These 3381 deaths include those of 282 persons with usual residence outwith the town of registration, but exclude those of 161 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 121, falls to be deducted to get the corrected number for the month, which is found to be 3260.

The monthly death-rate, based on the corrected number, is 16·0 per thousand. It is 1·8 more than that of the previous month, and 2·3 more than the mean of those of the three preceding months, but is 17·7 less than that of January of last year, a rate inflated by an influenza epidemic which then raged. In the individual towns the monthly death-rate varied from 22·3 in Dundee, 17·0 in Edinburgh, and 16·9 in Aberdeen, to 10·0 in Kilmarnock, 11·1 in Kirkcaldy, and 11·6 in Coatbridge. In Glasgow this rate was 16·0, in Ayr 16·0, in Clydebank 15·5, in Perth 14·9, in Falkirk 14·7, in Greenock 14·1, in Motherwell and Wishaw 13·3, in Paisley 12·8, in Dunfermline 12·4, and in Hamilton 12·3.

Deaths of children of less than one year old numbered 571. This number is 8 less than that of the previous month, and 562 less than that of January of last year, but is 75 more than the mean of those of the three preceding months. The infantile mortality rate of the month was 112 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 1 less than that of the previous month, and 94 less than that of January of last year, but is 15 more than the mean of those of the three preceding months. In the individual towns this rate ranged from 223 in Dundee, 138 in Motherwell and Wishaw, 135 in Aberdeen, and 132 in Edinburgh and in Dunfermline, to 27 in Kirkcaldy, 53 in Ayr, and 61 in Clydebank. In Glasgow this rate was 100, in Greenock 95, in Hamilton 92, in Coatbridge 90, in Perth 83, in Falkirk 72, in Paisley 66, and in Kilmarnock 65.

Deaths from the principal epidemic diseases numbered 242, and equalled a death-rate of 1·2 per thousand. This death-rate is the same as that of the previous month, but is 0·2 more than the mean of those of the three preceding months. These deaths include 2 from enteric fever, 84 from measles, 25 from scarlet fever, 67 from whooping-cough, 33 from diphtheria, and 31 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from whooping-cough are 14 more, and from scarlet fever 5 more, but those from enteric fever and from diphtheria are each 1 fewer, from the diarrhœas of childhood 3 fewer, and from measles 8 fewer.

Deaths from influenza in all numbered 26. In October last these deaths numbered 15, in November 37, and in December 18.

Deaths from all forms of respiratory disease, other than phthisis, and exclusive of those associated with influenza, numbered 675, which is 88 more than in the previous month, and 145 more than the mean of the numbers of the three preceding months, but 1530 fewer than in January of last year.

Deaths from all forms of tuberculosis numbered 305, of which 222 were ascribed to tuberculosis of the respiratory system, the former number being 74 more than that of the previous month, but 10 less than that of January of last year, and the latter being 54 more than in the previous month, but 16 less than in January of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1923.

Mean barometric pressure, 29·918 in.; greater than the average of 1881–1915 by 0·050 in.

Mean temperature, 42·6°; greater by 4·7°.

Mean daily range of temperature, 8·9°; less by 0·1°.

Rain, depth in inches, 3·41; greater by 0·21 in.

Wind, direction of: a 6 days' excess of south-westerly winds.

Hence the month was characterised by a rather high mean pressure; an abnormally high mean temperature, with a mean daily range equal to the normal; a slightly high mean rainfall; and a large excess of south-westerly winds.

During the first ten days of the month conditions were of a cyclonic type. Thereafter pressure was high to the south-west of the British Isles, and depressions followed tracks near the Arctic Circle, maintaining very strong westerly winds over Scotland.

The abnormal mildness which had so far characterised the winter of 1922-1923 was maintained throughout the month, and became steadily more pronounced. Occasional touches of wintry weather were of brief duration, and during the last ten days the mildness was unbroken except in the extreme north. During the last 60 years a milder January has been experienced in Scotland only in 1898 and 1916, and only once (in 1897-98) has the November-January period had a higher mean temperature. Extremes were 56° at Kelso on 26th and 19° at Eskdalemuir on 1st and 13th.

As might be expected from the prevalence of south-westerly winds, there was a great contrast between the rainfall of north-western and south-eastern districts. Thus over a considerable area towards the south-east aggregates were much below the normal; and in parts of this area the month was the sixth in succession with a deficient rainfall. Elsewhere there was a well defined excess, very large towards the north-west. At Glenquoich, in West Inverness-shire, a total of 24·21 in. represented 176 per cent. of the normal, and has been exceeded in January during the last 40 years only in 1916 and 1921. At many places within the wet area rain fell on every day of the month, whilst the wettest periods in all districts were from 1st to 9th, and from 28th onwards. Gruline (Mull) had as much as 3·17 in. on 4th and Kinlochquoich 3·30 in. on 31st.

Strong winds persisted throughout almost the whole month, and gales were rather frequent, especially towards the north.

An unusual absence of snow was a marked feature, though there were a few unimportant falls in the northern districts.

Thunderstorms occurred locally in west and north on 2nd, 9th, 10th, and 14th; and lightning was seen on 3rd and 30th.

In eastern districts sunshine amounts were rather above the normal.

Aurora was observed at Gordon Castle on 10th and 13th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 8.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, JANUARY 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,069	1,041,300	1241	1231	2472	2321	151	1191	764	701	1465	110	62	1417
EDINBURGH,	420,281	426,000	431	387	818	755	63	376	319	351	670	68	12	614
DUNDEE,	168,217	175,900	192	194	386	351	35	207	154	189	343	14	4	333
ABERDEEN,	158,969	160,200	145	153	298	273	25	135	111	120	231	23	22	230
PAISLEY,	84,837	85,900	94	112	206	196	10	59	47	46	93	6	6	93
GREENOCK,	81,120	81,600	101	102	203	194	9	46	56	45	101	7	4	98
MOTHERWELL AND WISHAW,	68,869	71,700	83	69	152	142	10	35	35	41	76	1	6	81
CLYDEBANK,	46,515	47,200	52	48	100	98	2	23	17	24	41	0	21	62
COATBRIDGE,	43,909	44,800	57	52	109	104	5	35	23	17	40	0	4	44
DUNFERMLINE,	39,886	41,000	43	35	78	74	4	42	29	24	53	11	1	43
KIRKCALDY,	39,591	40,200	37	41	78	73	5	47	15	22	37	5	6	38
HAMILTON,	39,420	40,300	46	45	91	87	4	31	17	23	40	0	2	42
KILMARNOCK,	35,756	36,400	48	34	82	77	5	34	18	14	32	5	4	31
AYR,	35,741	36,100	49	26	75	69	6	33	29	22	51	6	4	49
FALKIRK,	33,312	34,500	41	27	68	62	6	23	23	27	50	7	0	43
PERTH,	33,208	33,200	35	24	59	57	2	34	26	32	58	19	3	42
TOTAL (SIXTEEN TOWNS)	2,363,700	2,396,300	2695	2580	5275	4933	342	2351	1683	1698	3381	282	161	3260

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, JANUARY 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	28·0	6·1	13·5	16·6	16·0	0·8	1·6	1·1	3·7	240	100
EDINBURGH,	22·6	7·7	10·4	18·5	17·0	1·4	1·2	1·0	3·6	102	132
DUNDEE,	25·8	9·1	13·9	23·0	22·3	3·9	1·6	1·4	5·6	80	223
ABERDEEN,	21·9	8·4	9·9	17·0	16·9	2·4	1·9	1·5	2·1	46	135
PAISLEY,	28·3	4·9	8·1	12·8	12·8	0·1	1·6	1 1	0·5	12	66
GREENOCK,	29·3	4·4	6·6	14·6	14·1	0·3	1·6	0·9	3·0	18	95
MOTHERWELL AND WISHAW,	25·0	6·6	5·7	12·5	13·3	1·6	1·6	0·7	3·1	20	138
CLYDEBANK,	24·9	2·0	5·7	10·2	15·5	1·2	1·5	1·0	1·0	6	61
COATBRIDGE,	28·6	4·6	9·2	10·5	11·6	1·1	1·1	0·5	3·7	9	90
DUNFERMLINE,	22·4	5·1	12·1	15·2	12·4	0·6	0·6	0·3	0·6	9	132
KIRKCALDY,	22·8	6·4	13·8	10·8	11·1	0·0	0·9	0·6	1·2	2	27
HAMILTON,	26·6	4·4	9·1	11·7	12·3	0·0	0·3	0·3	3·5	8	92
KILMARNOCK,	26·6	6·1	11·0	10·4	10·0	1·0	1·6	1·3	0·6	5	65
AYR,	24·5	8·0	10·8	16 7	16·0	0·3	2·0	1·3	2·9	4	53
FALKIRK,	23·2	8·8	7·8	17·0	14·7	0·3	2·0	2·0	2·0	5	72
PERTH,	20·9	3·4	12·1	20·6	14·9	0·4	1·4	1·4	2·5	5	83
TOTAL (SIXTEEN TOWNS)	25·9	6·5	11·6	16 6	16·0	1·2	1·5	1·1	3·3	571	112

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR JANUARY 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month. (1)	Birth-Rate. (2)	Illegitimate Birth-rate per 100 Births. (3)	Marriage-Rate. (4)	Death-Rate. (5)	Deaths from Enteric Fever. (6)	Smallpox. (7)	Measles. (8)	Scarlet Fever. (9)	Whooping-Cough. (10)	Diphtheria. (11)	Diarrhœa (Under 2 Years). (12)	*Infantile Mortality Rate. (13)	Mean Temperature. (Seven Towns only.) (14)
JAN. 1923,	**25·9**	**6·5**	**11·6**	**16·0**	**2**	**0**	**84**	**25**	**67**	**33**	**31**	**112**	**42°·6**
JAN, 1922,	28·7	7·0	11·3	33·7	3	0	296	21	123	39	48	206	37°·0
JAN. 1921,	26·1	7·0	15·9	16·9	1	7	18	18	60	34	66	113	41°·8
JAN. 1920,	34·1	6·9	16·6	16·9	4	0	65	8	20	39	37	128	38°·7
JAN. 1919,	20·3	10·7	11·4	18·4	1	0	10	9	110	44	29	152	37°·2
JAN. 1918,	20·1	8·2	10·9	16·9	2	0	105	6	79	32	44	124	36°·3
JAN. 1917,	23·1	7·1	10·9	19·0	2	0	79	6	51	41	58	129	36°·1
JAN. 1916,	23·9	6·7	12·6	14·8	6	0	93	51	17	58	41	98	43°·8
JAN. 1915,	26·2	6·8	11·7	21·9	12	0	32	53	261	53	49	151	37°·6
JAN. 1914,	27·0	7·5	12·3	20·6	4	0	183	45	29	65	47	151	38°·7
JAN. 1913,	28·4	7·2	10·9	19·1	8	0	13	22	174	46	49	133	37°·6

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1–	5–	10–	15–	25–	35–	45–	55–	65–	75–	85–
Enteric Fever	2	1	1	–	–	1	–	–	1	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	84	41	43	23	59	2	–	–	–	–	–	–	–	–	–
Scarlet Fever	25	14	11	–	15	5	–	3	1	–	1	–	–	–	–
Whooping-cough	67	32	35	18	46	3	–	–	–	–	–	–	–	–	–
Diphtheria	33	17	16	4	21	5	3	–	–	–	–	–	–	–	–
Influenza	26	17	9	3	–	–	1	1	1	–	4	5	8	3	–
Encephalitis Lethargica	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebro-spinal Meningitis	10	7	3	3	5	–	–	1	–	1	–	–	–	–	–
Other Epidemic Diseases	12	6	6	6	–	–	–	–	–	1	1	1	2	1	–
Tuberculosis of Respiratory System	222	109	113	1	5	6	6	49	56	42	36	13	7	1	–
Tuberculous Meningitis	39	23	16	7	16	5	8	2	1	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	18	10	8	–	7	1	–	7	3	–	–	–	–	–	–
Other Tuberculous Disease	26	11	15	1	5	2	5	3	5	1	1	1	2	–	–
Malignant Tumours	257	109	148	1	1	–	–	3	6	24	54	77	64	23	4
Rheumatic Fever	14	6	8	–	–	1	1	2	2	2	4	1	1	–	–
Meningitis (not Cer.-spin. or Tuberc.)	31	20	11	15	10	2	1	1	–	1	–	1	–	–	–
Apoplexy	276	120	156	–	–	–	–	3	3	8	23	72	86	74	7
Heart Disease	315	138	177	1	–	2	–	9	15	17	35	80	96	53	7
Diseases of Arteries	62	33	29	–	–	–	–	–	–	3	2	15	22	20	–
Bronchitis	279	138	141	52	15	1	1	1	2	12	27	38	65	53	12
Pneumonia (all forms)	357	200	157	108	79	6	3	11	19	19	24	25	41	20	2
Other Diseases of Respiratory System	39	21	18	6	5	–	–	2	1	1	2	6	8	7	1
Diarrhœa and Enteritis (under 2 years)	31	19	12	26	5	–	–	–	–	–	–	–	–	–	–
Appendicitis	18	13	5	–	–	3	2	5	1	2	2	2	–	1	–
All Diseases of Liver (not Malignant)	31	11	20	–	–	1	1	2	1	5	4	7	5	5	–
Nephritis, Acute and Chronic	64	33	31	–	1	–	–	2	2	7	12	12	20	7	1
Puerperal Sepsis	13	–	13	–	–	–	–	2	9	2	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	17	–	17	–	–	–	–	2	12	2	1	–	–	–	–
Diseases of Early Infancy and Malform.	225	128	97	221	4	–	–	–	–	–	–	–	–	–	–
Suicide	7	6	1	–	–	–	–	1	–	2	2	1	1	–	–
Other Violent Deaths	92	57	35	10	10	9	1	3	5	7	11	14	8	6	8
Other Defined Diseases	503	232	271	55	29	7	7	10	20	34	57	55	85	112	32
Causes Ill-defined or Unknown	65	40	25	10	5	–	1	1	–	2	6	16	13	11	–
	3260	1612	1648	571	343	62	41	126	166	195	309	442	534	397	74

DEATHS IN EACH TOWN (corrected for Transfers)—January 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	2	...	...	1	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	84	2	11	42	28	...	1	...	...
Scarlet Fever	25	10	6	3	1	...	1	...	...
Whooping-cough	67	27	15	9	1	...	...	9	3
Diphtheria	33	15	11	3	...	...	...	1	1
Influenza	26	8	8	2	1	...	1	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	10	8	1	...	1	...	...	...	...
Other Epidemic Diseases	12	4	5	...	1	...	...	...	...
Tuberculosis of Respiratory System ...	222	99	36	21	20	8	6	4	4
Tuberculous Meningitis	39	21	5	1	3	1	3	2	1
Tuber. of Intestines and Peritoneum	18	6	2	...	1	1	1	4	1
Other Tuberculous Disease	26	14	2	2	2	2	1	...	...
Malignant Tumours	257	101	52	22	22	13	9	4	6
Rheumatic Fever	14	7	3	1	1	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	31	12	2	3	3	3	...	1	1
Apoplexy	276	125	60	18	18	3	6	3	8
Heart Disease	315	124	85	13	19	16	13	6	10
Diseases of Arteries	62	21	16	7	7	3	2	1	...
Bronchitis	279	136	49	32	12	1	9	10	3
Pneumonia (all forms)	357	173	71	51	14	3	11	7	1
Other Diseases of Respiratory System	39	20	10	1	2	...	1	2	...
Diarrhœa and Enteritis (under 2 years)	31	16	8	...	3	1	...	...	1
Appendicitis	18	6	2	1	2	1	1	...	...
All Diseases of Liver (not Malignant)	31	16	3	4	1	...	2	...	1
Nephritis, Acute and Chronic ...	64	26	10	7	7	2	4	2	1
Puerperal Sepsis	13	7	1	...	...	1	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	17	10	4	1	...	1	...	...	...
Dis. of Early Infancy and Malformations	225	103	35	30	10	9	10	7	2
Suicide	7	3	1	...	1	2	...	...	...
Other Violent Deaths	92	35	14	14	8	2	1	2	3
Other Defined Diseases	503	225	84	36	37	18	13	13	15
Causes Ill-defined or Unknown ...	65	37	2	8	4	2	2	1	...
All Causes ...	3260	1417	614	333	230	93	98	81	62
AGE AT DEATH.									
Under 1	571	240	102	80	46	12	18	20	6
1– 4	343	133	53	70	34	3	10	16	8
5– 9	62	28	9	5	3	1	...	3	3
10–14	41	26	4	2	1	...	4	...	1
15–24	126	62	18	11	6	5	3	4	2
25–34	166	77	26	8	9	9	3	5	3
35–44	195	100	23	14	13	12	8	1	3
45–54	309	142	56	26	21	9	11	5	11
55–64	442	211	89	35	21	15	18	11	5
65–74	534	228	125	30	33	18	20	7	11
75–84	397	152	84	42	30	7	2	8	7
85 and over	74	18	25	10	13	2	1	1	2
All Ages ...	3260	1417	614	333	230	93	98	81	62

DEATHS IN EACH TOWN (corrected for Transfers)—January 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	1
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	3	...	...	...	1	...	...	...
Whooping-cough	...	2	...	...	...	...	1	...
Diphtheria	1	...	...	...	...	1	...	...
Influenza...	...	...	...	...	3	2	...	1
Encephalitis Lethargica	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	1	...	...	...	1	...	...	...
Tuberculosis of Respiratory System ...	2	1	2	1	4	4	6	4
Tuberculous Meningitis	1	1	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum ...	...	...	1	...	...	1	...	...
Other Tuberculous Disease	1	...	...	...	1	1	...	...
Malignant Tumours	2	3	1	4	6	5	3	4
Rheumatic Fever	...	...	1	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	2	...	2	1	...	...	...
Apoplexy	2	8	4	4	2	6	4	5
Heart Disease	4	5	4	4	1	2	6	3
Diseases of Arteries	1	...	...	...	...	1	1	2
Bronchitis	8	1	3	6	...	4	2	3
Pneumonia (all forms)	6	1	1	6	2	5	2	3
Other Diseases of Respiratory System	...	...	...	...	...	...	2	1
Diarrhœa and Enteritis (under 2 years)	...	...	...	...	2	...	...	...
Appendicitis	2	...	...	1	...	1	1	...
All Diseases of Liver (not Malignant)	...	1	...	...	...	1	...	2
Nephritis, Acute and Chronic... ...	...	2	2	...	...	...	1	...
Puerperal Sepsis	2	...	...	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	1
Dis. of Early Infancy and Malformations	2	5	1	4	1	3	1	2
Suicide	...	...	...	...	...	...	...	...
Other Violent Deaths	2	3	3	2	2	1	...	...
Other Defined Diseases	2	8	15	5	4	8	10	10
Causes Ill-defined or Unknown ...	1	...	...	2	...	3	3	...
All Causes ...	44	43	38	42	31	49	43	42
AGE AT DEATH.								
Under 1	9	9	2	8	5	4	5	5
1– 4	1	3	1	5	4	1	1	...
5– 9	2	1	...	1	2	2	1	1
10–14	3	...	...	...	...	...	...	...
15–24	4	1	2	1	2	2	2	1
25–34	4	3	...	1	6	3	4	5
35–44	1	3	3	4	2	4	3	1
45–54	7	3	2	3	2	2	4	5
55–64	4	1	5	5	3	7	5	7
65–74	5	8	7	8	3	18	8	5
75–84	4	11	16	6	2	6	10	10
85 and over	...	...	...	...	...	...	...	2
All Ages ...	44	43	38	42	31	49	43	42

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH, During the Month of JANUARY 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	AIR TEMPERATURE. Absolute Maximum and Minimum. Minimum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Depression of Wet Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Vapour Pressure.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	RAIN, AND OTHER FORMS OF PRECIPITATION. Total Fall.	RAIN, AND OTHER FORMS OF PRECIPITATION. Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·444	29·934	46·3	38·5	42·4	+4·4	53	31*st*	29	13*th*	42·2	2·1	·225	85	17	1·55	−0·19	0	0	0	0	3	23	22	9	5
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·708	29·892	46·0	36·4	41·2	+4·1	52	27, 31	28	13*th*	40·8	1·2	·230	91	16	1·57	−0·38	0	3	0	1	0	47	0	11	0
ABERDEEN,* The Meteorological Office.	90	29·739	29·841	45·9	38·2	42·1	+4·2	54	19, 24, 27	30	13*th*	41·7	1·8	·227	87	20	2·25	+0·07	2	1	0	1	6	20	16	13	3
PAISLEY, The Coats Observatory.	107	29·853	29·973	47·4	39·5	43·5	+4·4	53	21*st*	28	13*th*	43·7	1·6	·249	87	26	4·86	+0·87	1	0	0	1	4	21	25	6	4
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·705	29·965	47·8	39·8	43·8	+5·4	54	31*st*	32	13*th*	43·6	1·9	·243	86	30	8·28	+1·44	0	0	0	2	1	20	35	4	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·879	29·904	48·6	36·3	42·5	+5·5	54	21, 24, 28	24	1*st*	41·5	1·6	·229	88	14	1·94	−0·57	1	3	1	2	3	27	15	10	0
Means	176	29·721	29·918	47·0	38·1	42·6	+4·7	..	..	..	..	42·3	1·7	·234	87	20	3·41	+0·21	1	1	0	1	3	26	19	9	2

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

FEBRUARY 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of February 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4661 living children, of whom 2416 were males, and 2245 were females. Compared with the number registered in the previous month that of male children is 279 less, and that of female children 335 less. Compared with the mean of the numbers of the three preceding months that of male children is 9 less, and of female children 126 less, and compared with the number of February of last year that of male children is 155 less and of female children 204 less. The total children of the month number 614 less than in the previous month, 136 less than the mean of the numbers of the three preceding months, and 359 less than in February of last year.

The monthly birth-rate of these towns taken collectively was 25·4 per thousand. This rate is 0·5 less than that of the previous month, and 2·2 less than that of February of last year, but is 1·4 more than the mean of those of the three preceding months. In the individual towns the monthly birth-rate varied from 28·5 in Hamilton, 27·5 in Motherwell and Wishaw, 27·6 in Coatbridge, 27·2 in Kilmarnock, and 27·1 in Glasgow, to 18·4 in Perth, 19·1 in Clydebank, 20·7 in Dunfermline, and 21·9 in Falkirk. In Greenock this rate was 27·0, in Dundee 25·6, in Ayr 25·0, in Aberdeen 24·7, in Kirkcaldy 24·6, in Edinburgh 22·6, and in Paisley 22·0.

Of the 4661 children whose births were registered during the month 4355, or 93·4 per cent., were legitimate, while 306, or 6·6 per cent., were illegitimate. The legitimate children of the month numbered 578 less than in January, 117 less than the mean of the numbers of the three preceding months, and 325 less than in February of last year. The illegitimate children of the month numbered 36 less than in the previous month, 18 less than the mean of the numbers of the three preceding months, and 34 less than in the corresponding month of last year. The illegitimate rate of the month is 0·1 more than in the previous month, but is 0·2 less than the mean of those of the three preceding months, and the same amount less than that of February of last year. In the individual towns this rate varied from 11·8 in Aberdeen, 8·4 in Dundee, 8·3 in Edinburgh, and 7·9 in Kilmarnock, to 0 in Dunfermline, 1·1 in Coatbridge, 1·3 in Kirkcaldy, and 1·4 in Clydebank.

Marriages registered during the month numbered 1298. This number is 1053 less than that of the previous month, and 514 less than the mean of those of the three preceding months, but is 5 more than that of February of last year. The monthly marriage-rate is 7·1 per thousand, which is 4·5 less than that of the previous month, and 2·0 less than the mean of those of the three preceding months, but is the same as that of February of last year. In the individual towns the monthly marriage-rate varied from 9·4 in Falkirk, 8·7 in Coatbridge, 8·1 in Aberdeen, and 7·8 in Glasgow, to 2·5 in Clydebank, 3·2 in Dunfermline, and 3·9 in Kirkcaldy.

Deaths registered in these towns during the month numbered 2878, 1442 being of males, and 1436 of females. Compared with the number registered in the previous month, deaths of males are 241 less, and of females 262 less. These 2878 deaths include those of 303 persons with usual residence outwith the towns of registration, but exclude those of 134 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 169, falls to be deducted to get the corrected number for the month, which is found to be 2709.

The monthly death-rate, based on the corrected number of deaths, is 14·7 per thousand. It is 1·3 less than that of January, 0·3 less than the mean of the three preceding months, and 9·5 less than that of February of last year, a rate inflated by an influenza epidemic. In the individual towns the monthly death-rate varied from 19·0 in Dundee, 17·3 in Aberdeen, and 16·3 in Edinburgh, to 6·4 in Falkirk, 9·3 in Motherwell and Wishaw, 9·7 in Hamilton, and 10·5 in Clydebank. In Kirkcaldy this rate was 14·9, in Glasgow 14·8, in Perth 14·5, in Coatbridge 14·2, in Paisley 12·6, in Greenock 12·3, in Ayr 11·9, in Kilmarnock 11·5, and in Dunfermline 11·1.

Deaths of children of less than one year old numbered 454. This number is 117 less than in the previous month, 99 less than the mean of the three preceding months, and 403 less than in February of last year. The infantile mortality rate of the month is 99 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 13 less than that of the previous month; 10 less than the mean of those of the three preceding months, and 73 less than that of February of last year. In the individual towns the monthly infantile mortality rate varied from 189 in Perth, 179 in Kirkcaldy, 164 in Aberdeen, 157 in Coatbridge, and 153 in Dundee, to 48 in Falkirk, 50 in Paisley, 51 in Hamilton, and 61 in Motherwell and Wishaw. In Edinburgh this rate was 105, in Dunfermline 98, in Ayr 90, in Kilmarnock 87, in Glasgow 86, in Greenock 76, and in Clydebank 69.

Deaths from the principal epidemic diseases numbered 193, and equalled a death-rate of 1·0 per thousand. This death-rate is 0·2 less than that of the previous month, 0·2 less than the mean of the three preceding months, and 1·4 less than that of February of last year. These deaths include 5 from enteric fever, 55 from measles, 17 from scarlet fever, 56 from whooping-cough, 35 from diphtheria, and 25 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from measles are 29 less, from whooping-cough 11 less, from scarlet fever 8 less, and from the diarrhœas of childhood 6 less, but those from diphtheria are 2 more, and from enteric fever 3 more.

Deaths from influenza numbered 22. In November these deaths numbered 37, in December 18, and in January 26.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, numbered 520. This number is 155 less than that of the previous month, 115 less than the mean of those of the three preceding months, and 633 less than that of February of last year. Of these deaths 265 were ascribed to pneumonia and 219 to bronchitis.

Deaths from all forms of tuberculosis numbered 277, of which 196 were ascribed to tuberculosis of the respiratory system. The former number is 28 less than in January, and 41 less than in February of last year. The latter number is 26 less than in January, and 45 less than in February of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1923.

Mean barometric pressure, 29·464 in.; less than the average of 1881–1915 by 0·379 in.

Mean temperature, 39·7°; greater by 1·4°.

Mean daily range of temperature, 6·0°; less by 4·2°.

Rain, depth in inches, 4·80; greater by 1·98 in.

Wind, direction of: a 10 days' excess of winds from between east and south.

Hence the month was characterised by an abnormally low mean pressure; a rather high mean temperature, with an abnormally low mean daily range; a high mean rainfall; and a very large excess of south-easterly winds.

The pressure distribution was dominated by a series of very deep depressions over the Atlantic. One of these reached the British Isles about 26th, pressure over Central Ireland falling to the abnormally low level of 28·1 in. From about 10th onwards pressure was relatively high over Scandinavia, with persistent south-easterly winds over Scotland.

The very mild weather which had prevailed during January persisted for the first few days of February, but temperature then fell and during the second half of the month the days were distinctly cold. On the other hand, with cloudy skies and a consequent restriction of terrestrial radiation, the nights were very mild and there was an unusual absence of frost. The mean temperature of the month was rather above the normal, and the mean daily range was the lowest recorded in Scotland in February for at least 60 years. Extremes were 55° at Edinburgh and elsewhere on 1st and 2nd, and 20° at Leadhills on 20th and 21st.

The month's rainfall afforded an unusually well-marked example of the distribution associated with a south-easterly cyclonic type of weather. Over a great part of Scotland there was a large excess in east and south, with more than twice the normal over considerable areas, and here and there more than thrice the normal. At Lednathie, in Forfarshire, the total was fully 16 in.; at Braemar the total of 9·82 in. was the highest recorded in any month for at least 60 years; and at Aberdeen the month was the wettest February for a similar period. Within the wet area the heaviest falls occurred about 10th and 26th, with over 2 in. at Lednathie on both these days. Towards north-west, on the other hand, the month's aggregates were below the normal, the deficiency being considerable in the districts which are usually wettest. The only heavy falls in that region occurred during the first week (2·80 in. at Kinlochquoich on 1st), and from about 14th to 24th there was a dry spell. In all other districts there were few days without rain.

Snowstorms were widely experienced about 18th and 21st, with considerable drifting in the Southern Uplands, and sleet or wet snow occurred on a few other days. The month was very stormy, especially towards north-east, with gales at Wick on no less than 17 days.

Thunderstorms occurred locally in west on 3rd, 6th and 7th, and in Central Perthshire on 26th.

The month was very cloudy, especially towards the east, and at Aberdeen and Marchmont the sunshine total was the lowest recorded in February for at least 40 years.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 16.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, FEBRUARY 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,069	1,041,300	1116	1051	2167	2025	142	624	646	604	1250	128	58	1180
EDINBURGH,	420,281	426,000	401	336	737	676	61	240	293	291	584	61	9	532
DUNDEE,	168,217	175,900	175	170	345	316	29	75	131	142	273	21	5	257
ABERDEEN,	158,969	160,200	155	149	304	268	36	99	113	117	230	37	19	212
PAISLEY,	84,837	85,900	66	79	145	142	3	42	42	44	86	7	4	83
GREENOCK,	81,120	81,600	84	85	169	161	8	31	42	42	84	9	2	77
MOTHERWELL AND WISHAW,	68.869	71,700	80	71	151	146	5	31	24	23	47	0	4	51
CLYDEBANK,	46,515	47,200	40	23	69	68	1	9	12	16	28	2	12	38
COATBRIDGE,	43,909	44,800	51	44	95	94	1	30	26	23	49	2	2	49
DUNFERMLINE,	39,886	41,000	37	28	65	65	0	10	16	22	38	6	3	35
KIRKCALDY,	39,591	40,200	37	39	76	75	1	12	20	22	42	1	5	46
HAMILTON,	39,420	40,300	46	42	88	83	5	18	14	15	29	3	4	30
KILMARNOCK,	35,756	36,400	36	40	76	70	6	17	13	22	35	5	2	32
AYR,	35,741	36,100	36	33	69	66	3	16	18	18	36	5	2	33
FALKIRK,	33,312	34,500	32	26	58	56	2	25	9	10	19	3	1	17
PERTH,	33,208	33,200	24	23	47	44	3	19	23	25	48	13	2	37
TOTAL (SIXTEEN TOWNS)	2,363,700	2,396,300	2416	2245	4661	4355	306	1298	1442	1436	2878	303	134	2709

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, FEBRUARY 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	27·1	6·6	7·8	15·6	14·8	1·0	1·6	1·1	2·9	185	86
EDINBURGH,	22·6	8·3	7·3	17·9	16·3	1·2	1·7	1·4	3·4	73	105
DUNDEE,	25·6	8·4	5·6	20·2	19·0	3·0	1·7	1·0	4·0	50	153
ABERDEEN,	24·7	11·8	8·1	18·7	17·3	0·8	1·4	1·0	2·7	50	164
PAISLEY,	22·0	2·1	6·4	13·1	12·6	0·5	1·2	0·9	1·2	8	50
GREENOCK,	27·0	4·7	5·0	13·4	12·3	0·3	2·1	1·8	2·2	13	76
MOTHERWELL AND WISHAW,	27·5	3·3	5·6	8·5	9·3	1·1	1·3	0·4	2·4	8	61
CLYDEBANK,	19·1	1·4	2·5	7·7	10·5	0·8	0·8	0·6	0·8	6	69
COATBRIDGE,	27·6	1·1	8·7	14·2	14·2	0·9	2·0	1·5	2·0	14	157
DUNFERMLINE,	20·7	0·0	3·2	12·1	11·1	0·3	1·6	1·3	2·2	6	98
KIRKCALDY,	24·6	1·3	3·9	13·6	14·9	0·0	0·6	0·6	4·9	12	179
HAMILTON,	28·5	5·7	5·8	9·4	9·7	0·3	1·6	1·0	1·3	4	51
KILMARNOCK,	27·2	7·9	6·1	12·5	11·5	0·4	0·4	0·0	2·5	6	87
AYR,	25·0	4·3	5·8	13·0	11·9	0·4	1·1	0·7	1·4	6	90
FALKIRK,	21·9	3·4	9·4	7·2	6·4	0·0	0·0	0·0	1·1	3	48
PERTH,	18·4	6·4	7·5	18·8	14·5	0·0	0·4	0·4	3·1	10	189
TOTAL (SIXTEEN TOWNS)	25·4	6·6	7·1	15·7	14·7	1·0	1·5	1·1	2·8	454	99

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR FEBRUARY 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month. (1)	Birth-Rate. (2)	Illegitimate Birth-rate per 100 Births. (3)	Marriage-Rate. (4)	Death-Rate. (5)	Deaths from: Enteric Fever. (6)	Smallpox. (7)	Measles. (8)	Scarlet Fever. (9)	Whooping-Cough. (10)	Diphtheria. (11)	Diarrhœa (Under 2 Years). (12)	*Infantile Mortality Rate. (13)	Mean Temperature. (Seven Towns only.) (14)
FEB. 1923, .	**25·4**	**6·6**	**7·1**	**14·7**	**5**	**0**	**55**	**17**	**56**	**35**	**25**	**99**	**39°·7**
FEB, 1922, .	27·6	6·8	7·1	24·2	0	0	237	16	105	33	51	172	38°·7
FEB. 1921, .	27·3	7·1	8·6	18·6	4	5	19	17	162	42	50	133	40°·9
FEB. 1920, .	33·9	7·9	9·4	15·3	0	0	46	10	21	38	32	129	42°·1
FEB. 1919, .	18·1	9·8	7·8	34·4	1	0	25	10	201	49	32	200	34°·5
FEB. 1918, .	19·6	8·1	7·9	14·5	3	0	63	4	79	29	32	110	42°·8
FEB. 1917, .	21·8	8·6	6·6	19·6	5	0	71	9	106	31	26	124	36°·5
FEB. 1916, .	22·9	7·4	8·2	16·0	6	0	125	45	14	60	31	100	37°·7
FEB. 1915, .	26·8	6·7	6·8	23·4	7	0	45	47	354	39	52	189	38°·3
FEB. 1914, .	27·6	7·3	6·5	17·4	5	0	169	33	24	52	49	140	42°·8
FEB. 1913, .	26·7	8·1	5·5	20·3	8	0	21	10	196	34	42	140	40°·3

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1–	5–	10–	15–	25–	35–	45–	55–	65–	75–	85–
Enteric Fever	5	3	2	–	–	1	–	1	1	2	–	–	–	–	–
Typhus Fever	1	1	–	–	–	–	–	–	–	–	1	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	55	29	26	20	33	2	–	–	–	–	–	–	–	–	–
Scarlet Fever	17	10	7	1	6	6	3	–	–	1	–	–	–	–	–
Whooping-cough	56	24	32	25	31	–	–	–	–	–	–	–	–	–	–
Diphtheria	35	18	17	4	18	10	3	–	–	–	–	–	–	–	–
Influenza	22	10	12	2	1	–	–	–	–	3	2	4	8	2	–
Encephalitis Lethargica	6	2	4	–	–	–	–	2	1	2	–	1	–	–	–
Cerebro-spinal Meningitis	4	4	–	2	–	1	–	–	–	1	–	–	–	–	–
Other Epidemic Diseases	6	3	3	–	–	–	–	–	–	1	2	2	–	1	–
Tuberculosis of Respiratory System	196	108	88	1	4	2	5	41	46	44	32	17	3	1	–
Tuberculous Meningitis	32	17	15	4	15	6	1	3	1	1	1	–	–	–	–
Tuberculosis of Intestines and Peritoneum	19	8	11	1	6	3	2	3	–	–	4	–	–	–	–
Other Tuberculous Disease	30	19	11	3	3	4	3	6	4	4	2	–	1	–	–
Malignant Tumours	226	99	127	–	–	–	–	2	7	17	43	70	65	22	–
Rheumatic Fever	5	4	1	–	–	–	–	–	–	1	2	2	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	22	11	11	7	7	1	–	1	1	2	2	1	–	–	–
Apoplexy	239	96	143	1	–	–	–	–	1	10	18	52	88	57	12
Heart Disease	248	108	140	–	–	2	3	8	7	12	24	61	74	46	11
Diseases of Arteries	39	20	19	–	–	–	–	–	1	–	5	9	10	11	3
Bronchitis	219	112	107	40	8	–	–	1	5	9	17	28	65	39	7
Pneumonia (all forms)	265	152	113	76	68	3	3	8	9	14	21	21	25	14	3
Other Diseases of Respiratory System	36	24	12	5	7	–	–	–	3	4	4	3	6	3	1
Diarrhœa and Enteritis (under 2 years)	25	15	10	20	5	–	–	–	–	–	–	–	–	–	–
Appendicitis	17	9	8	–	–	1	4	4	–	3	1	3	1	–	–
All Diseases of Liver (not Malignant)	20	9	11	–	–	–	–	–	–	2	2	9	7	–	–
Nephritis, Acute and Chronic	72	35	37	3	1	–	–	3	6	7	18	18	12	3	1
Puerperal Sepsis	7	–	7	–	–	–	–	3	4	–	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	19	–	19	–	–	–	–	4	7	8	–	–	–	–	–
Diseases of Early Infancy and Malform.	189	110	79	187	1	–	1	–	–	–	–	–	–	–	–
Suicide	7	4	3	–	–	–	–	–	2	1	2	1	1	–	–
Other Violent Deaths	64	43	21	4	8	6	1	1	4	8	10	5	7	8	2
Other Defined Diseases	461	224	237	40	14	5	12	10	16	34	46	52	81	117	34
Causes Ill-defined or Unknown	45	22	23	8	4	3	–	–	–	–	5	9	7	8	1
	2709	1353	1356	454	240	56	41	101	126	191	264	368	461	332	75

DEATHS IN EACH TOWN (corrected for Transfers)—February 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	5	3	...	1	...	...	...	...	...
Typhus Fever	1	1	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	55	10	11	26	6	...	1	...	1
Scarlet Fever	17	8	6	...	...	1	...	2	...
Whooping-cough	56	28	12	6	1	1	1	4	1
Diphtheria	35	19	7	4	1	1	...	...	1
Influenza	22	9	7	...	1	...	...	...	...
Encephalitis Lethargica	6	4	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	4	3	1	...	...	...	...	...	...
Other Epidemic Diseases	6	3	1	1	...	...	1	...	...
Tuberculosis of Respiratory System ...	196	85	47	14	12	6	11	2	2
Tuberculous Meningitis	32	15	5	4	3	1	...	1	...
Tuber. of Intestines and Peritoneum	19	8	1	3	1	...	...	3	...
Other Tuberculous Disease	30	19	2	2	1	1	2	1	1
Malignant Tumours	226	107	51	14	14	13	2	3	2
Rheumatic Fever	5	3	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	22	11	3	...	1	...	1	2	2
Apoplexy	239	117	45	14	16	6	9	2	2
Heart Disease	248	87	52	30	23	13	6	2	6
Diseases of Arteries	39	18	4	4	6	1	...	...	...
Bronchitis	219	88	50	17	19	5	6	7	1
Pneumonia (all forms)	265	122	56	33	12	2	8	4	2
Other Diseases of Respiratory System	36	19	5	4	2	1	...	2	...
Diarrhœa and Enteritis (under 2 years)	25	15	3	3	2	...	...	...	...
Appendicitis	17	8	3	1	...	1	1	1	...
All Diseases of Liver (not Malignant)	20	13	2	1	1	...	...	1	...
Nephritis, Acute and Chronic ...	72	31	18	4	4	2	3	3	2
Puerperal Sepsis	7	2	...	1	...	1	...	1	1
Other Diseases and Accidents of Pregnancy and Parturition	19	9	5	1	1	1	...	...	...
Dis. of Early Infancy and Malformations	189	73	28	14	23	4	7	4	4
Suicide	7	3	1	2	1	...	...	...	...
Other Violent Deaths	64	24	15	9	8	2	1	...	...
Other Defined Diseases	461	194	82	40	50	20	15	6	8
Causes Ill-defined or Unknown ...	45	21	8	4	3	...	2	...	2
All Causes ...	2709	1180	532	257	212	83	77	51	38
AGE AT DEATH.									
Under 1	454	185	73	50	50	8	13	8	6
1– 4	240	90	47	45	15	3	8	13	3
5– 9	56	33	10	4	2	...	1	1	2
10–14	41	21	6	3	1	2	...	1	1
15–24	101	48	19	7	6	6	8	2	...
25–34	126	56	29	7	8	7	4	1	3
35–44	191	96	34	16	7	5	5	1	6
45–54	264	140	43	15	13	7	8	4	4
55–64	368	159	78	37	29	12	5	6	4
65–74	461	203	90	40	36	25	12	10	4
75–84	332	125	83	27	34	7	8	4	3
85 and over	75	24	20	6	11	1	5	...	2
All Ages ...	2709	1180	532	257	212	83	77	51	38

DEATHS IN EACH TOWN (corrected for Transfers)—February 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	1	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...
Whooping-cough	2	...	...	...	...	...	...	...
Diphtheria	...	1	...	...	...	1	...	...
Influenza...	...	...	...	2	...	1	...	2
Encephalitis Lethargica	1	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	5	4	2	3	...	2	...	1
Tuberculous Meningitis	1	...	...	1	...	1	...	...
Tuber. of Intestines and Peritoneum ...	...	1	...	1	1	...	...	...
Other Tuberculous Disease	1	...	...	...	...	...	...	...
Malignant Tumours	...	1	3	4	2	5	2	3
Rheumatic Fever	1	...	1	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	1	...	...	...	...	...	...
Apoplexy	2	8	4	3	6	...	...	5
Heart Disease	2	2	2	4	2	5	7	5
Diseases of Arteries	...	...	1	...	1	1	...	3
Bronchitis	4	3	6	2	4	1	1	5
Pneumonia (all forms)	3	4	6	2	3	3	2	3
Other Diseases of Respiratory System	...	...	3	...	...	...	...	...
Diarrhœa and Enteritis (under 2 years)	1	...	...	1	...	...	...	...
Appendicitis	...	1	...	...	...	1	...	...
All Diseases of Liver (not Malignant)	...	...	2	...	...	...	...	...
Nephritis, Acute and Chronic... ...	1	...	1	...	...	2	1	...
Puerperal Sepsis	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	1	...	...	1	...	...	...	...
Dis. of Early Infancy and Malformations	9	3	6	2	3	4	2	3
Suicide	...	...	...	...	...	...	...	...
Other Violent Deaths	1	1	...	...	1	...	...	2
Other Defined Diseases	10	5	8	4	7	6	1	5
Causes Ill-defined or Unknown ...	2	...	1	...	1	...	1	...
All Causes ...	49	35	46	30	32	33	17	37
AGE AT DEATH.								
Under 1	14	6	12	4	6	6	3	10
1– 4	4	1	3	5	3	...	...	...
5– 9	...	...	1	1	...	1	...	...
10–14	1	1	...	1	...	3	...	...
15–24	1	...	2	1	1	...	...	...
25–34	3	2	3	...	...	2	...	1
35–44	5	3	2	5	1	3	1	1
45–54	5	7	4	4	2	4	1	3
55–64	5	3	6	2	4	5	5	8
65–74	7	6	5	5	5	3	3	7
75–84	3	6	7	2	9	4	4	6
85 and over	1	...	1	...	1	2	...	1
All Ages ...	49	35	46	30	32	33	17	37

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of FEBRUARY 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum.	AIR TEMPERATURE. Day of Month.	AIR TEMPERATURE. Absolute Minimum.	AIR TEMPERATURE. Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	HYGROMETER. Depression of Wet Bulb.	HYGROMETER. Vapour Pressure.	HYGROMETER. Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	RAIN. Total Fall.	RAIN. Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	28·964	29·444	42·5	35·7	39·1	+0·8	55	1, 2	28	21st	38·7	1·8	·200	86	20	2·33	+0·74	0	1	7	21	6	9	2	1	9
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·294	29·478	42·2	36·1	39·2	+1·7	52	2nd	29	23rd	39·1	0·8	·223	93	26	4·85	+2·97	0	4	0	37	0	10	0	5	0
ABERDEEN,* The Meteorological Office.	90	29·394	29·496	42·4	38·3	40·4	+2·1	55	1st	31	21st	40·0	1·5	·217	88	21	5·10	+3·05	1	0	4	23	16	6	4	2	0
PAISLEY, The Coats Observatory.	107	29·320	29·441	43·9	36·8	40·4	+0·8	53	1, 2	28	21st	39·9	1·3	·220	90	25	4·80	+1·29	0	6	18	7	6	6	2	0	11
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·186	29·449	42·5	37·1	39·8	+1·2	54	1st	29	21st	39·0	1·4	·210	89	24	7·24	+1·62	0	6	24	7	2	13	3	1	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·451	29·476	42·8	36·3	39·6	+2·0	54	1st	29	21st	..	..	..	..	19	4·46	+2·19	1	2	17	19	2	5	5	5	0
Means	176	29·268	29·464	42·7	36·7	39·7	+1·4	..	..	..	..	39·3	1·4	·214	89	23	4·80	+1·98	0	3	12	19	6	8	3	2	3

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

MARCH 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of March 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5058 living children, of whom 2607 were males, and 2451 females. Compared with the number registered in the previous month that of male children is 191 more, and that of female children 206 more. Compared with the mean of the numbers of the three preceding months that of male children is 84 more, and that of female children 43 more, and compared with the number in March of last year that of male children is 186 less and of female children 313 less. The total children of the month number 397 more than in the previous month, and 128 more than the mean of the numbers of the three preceding months, but 499 less than in March of last year.

The monthly birth-rate of these towns taken collectively was 24·8 per thousand. This rate is 0·6 less than in the previous month, 0·3 less than the mean of those of the three preceding months, and 2·8 less than that of March of last year. In the individual towns the monthly birth-rate varied from 31·6 in Hamilton, 28·1 in Paisley, 27·3 in Coatbridge, and 26·8 in Glasgow, to 19·6 in Ayr, 20·4 in Dunfermline, 20·7 in Edinburgh, and 21·2 in Clydebank. In Greenock this rate was 26·4, in Falkirk 26·3, in Kirkcaldy 25·5, in Dundee 25·3, in Kilmarnock 24·2, in Perth 23·4, in Aberdeen 22·7, and in Motherwell and Wishaw 21·8.

Of the 5058 children whose births were registered during the month 4713, or 93·2 per cent., were legitimate, while 345, or 6·8 per cent., were illegitimate. The legitimate children of the month numbered 358 more than those of the previous month, and 114 more than the mean of the numbers of the three preceding months, but 458 fewer than in March of last year. The illegitimate children of the month numbered 39 more than those of the previous month, and 13 more than the mean of the numbers of the three preceding months, but 41 fewer than in March of last year. The illegitimate rate of the month is 0·2 more than that of the previous month, 0·1 more than the mean of those of the three preceding months, but is 0·1 less than that of March of last year. In the individual towns the illegitimate rate of the month varied from 10·7 in Aberdeen, 10·1 in Dundee, and 10·0 in Ayr, to 2·4 in Clydebank, and 2·7 in Greenock and in Kilmarnock. In Glasgow this rate was 6·6, and in Edinburgh 7·9.

Marriages registered during the month numbered 1270. This number is 28 less than that of the previous month, 547 less than the mean of those of the three preceding months, and 39 less than that of March of last year. The

monthly marriage-rate was 6·2 per thousand. It is 0·9 less than that of the previous month, 3·0 less than the mean of those of the three preceding months, and 0·3 less than that of March of last year. In the individual towns the monthly marriage-rate varied from 8·5 in Aberdeen, 8·4 in Kilmarnock, 7·2 in Ayr, 6·9 in Glasgow, and 6·8 in Edinburgh, to 2·6 in Motherwell and Wishaw, 3·2 in Hamilton, 3·4 in Falkirk, and 3·9 in Coatbridge.

Deaths registered in these towns during the month numbered 3102, 1582 being of males, and 1520 of females. Compared with the number registered in the previous month, that of males shows an increase of 140, and that of females an increase of 84. These 3102 deaths include those of 274 persons with usual residence outwith the town of registration, but exclude those of 149 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 125, falls to be deducted to get the corrected number for the month, which is thus found to be 2977.

The monthly death-rate, based on the corrected number of deaths, is 14·6 per thousand. This rate is 0·1 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 2·5 less than that of March of last year. In the individual towns the monthly death-rate, corrected, varied from 16·7 in Hamilton, 16·2 in Dundee, and 15·9 in Edinburgh and in Greenock, to 9·2 in Falkirk, 10·1 in Ayr, and 11·7 in Clydebank. In Coatbridge this rate was 15·5, in Kilmarnock 15·2, in Motherwell and Wishaw 15·1, in Glasgow 14·7, in Aberdeen 13·1, in Perth 12·8, in Kirkcaldy 12·3, in Paisley 12·1, and in Dunfermline 12·1.

Deaths of children of less than one year old numbered 470. This number is 16 more than that of the previous month, but is 65 less than the mean of those of the three preceding months, and 223 less than that of March of last year. These deaths equal an infantile mortality rate of 94 per thousand of the average number of births registered during the previous twelve months. This rate is 5 less than that of the previous month, 14 less than the mean of those of the three preceding months, and 31 less than that of March of last year. In the individual towns the monthly infantile mortality rate varied from 120 in Dundee, 112 in Greenock, and 108 in Edinburgh and in Kirkcaldy, to 44 in Falkirk, 45 in Dunfermline, 51 in Paisley, and 55 in Ayr. In Clydebank this rate was 106, in Glasgow 93, in Aberdeen 92, in Kilmarnock 92, in Hamilton 90, in Motherwell and Wishaw 76, in Perth 68, and in Coatbridge 61.

Deaths from the principal epidemic diseases numbered 203, and equal a death-rate of 1·0 per thousand. This death-rate is the same as that of the previous month, but is 0·1 less than the mean of the rates of the three preceding months, and 1·3 less than that of March of last year. These deaths include 57 from measles, 18 from scarlet fever, 69 from whooping-cough, 31 from diphtheria, and 28 from the diarrhœas of childhood. No deaths from enteric fever were registered during the month. Compared with the number of the previous month, deaths from whooping-cough are 13 more, from the diarrhœas of childhood 3 more, from measles 2 more, and from scarlet fever 1 more, but those from diphtheria are 4 fewer.

Deaths from influenza numbered 21. In February these deaths were 22, in January 26, and in December 18.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, numbered 574. This number is 54 more than that of the previous month, but 20 less than the mean of those of the three preceding months, and 129 less than in March of last year. Of these deaths 308 were ascribed to pneumonia and 227 to bronchitis.

Deaths from all forms of tuberculosis numbered 295, of which 202 were ascribed to tuberculosis of the respiratory system. The former number is 18 more than in the previous month, and 24 more than the mean of those of the three preceding months, but is 4 fewer than in March of last year. The latter number is 6 more than that of the previous month, and 7 more than the mean of those of the three preceding months, but is 27 fewer than that of March of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1923.

Mean barometric pressure, 30·029 in.; greater than the average of 1881–1915 by 0·228 in.

Mean temperature, 42·7°; greater by 2·4°.

Mean daily range of temperature, 10·7°; less by 1·2°.

Rain, depth in inches, 1·76; less by 1·05 in.

Wind, direction of: an 8 days' excess of winds between N.E. and S.E.

Hence the month was characterised by a very high mean pressure; a high mean temperature, with a low mean daily range; a very low mean rainfall; and a large excess of easterly winds.

During the first week conditions were very unsettled, with cyclonic centres passing directly across Scotland. Thereafter a large area of high pressure centred over Scandinavia was the dominant influence, with easterly winds and definitely anticyclonic conditions over Scotland, except for temporary breaks about 12th and towards the end of the month.

Temperature was for the most part above the normal and the last week was unusually mild. On the whole, towards north-west fairly warm days were a conspicuous feature, and towards south-east, rather mild nights. Ground frost, however, occurred at times. Extremes were 65° at Kelso on 27th and 17° at Braemar on 20th. The month was the fifth in succession with a temperature excess, and the November–March period the mildest since 1881–1882.

Rain was general during the first week and again about 12th; but there were no very heavy falls. From 13th to 25th there was a dry spell over the whole country; but during the last few days moderate rains fell in most districts, though here and there in the north the month was rainless after the 12th. Aggregates were practically everywhere much below the normal, with less than a third of the average over a large area in the north. At Gordon Castle the month was the driest March for at least fifty years; and at Strathpeffer the total of 0·30 in. was the smallest recorded in any month since September 1894.

Wind force was high on 5th, and about 12th and 25th.

There was an unusual absence of snow.

Thunder and lightning occurred at isolated places on 3rd, 5th, 26th, and 28th.

Towards west and north there was much sunny weather during the second half of the month; but along the east coast the weather was on the whole cloudy, with fog at times. An aggregate of 169 hours' sunshine at Gordon Castle compared with only 96 hours at Edinburgh.

Aurora was observed at one or two points on 14th and 24th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, March 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,069	1,041,400	1222	1145	2367	2211	156	608	697	664	1361	125	66	1302
EDINBURGH,	420,281	426,000	378	372	750	691	59	245	301	324	625	56	8	577
DUNDEE,	168,217	176,000	189	189	378	340	38	62	129	118	247	11	6	242
ABERDEEN,	158,969	160,200	142	167	309	276	33	116	101	91	192	26	12	178
PAISLEY,	84,837	85,900	116	89	205	195	10	41	51	42	93	9	4	88
GREENOCK,	81,120	81,600	92	91	183	178	5	31	54	55	109	2	3	110
MOTHERWELL AND WISHAW,	68,869	71,700	81	52	133	129	4	16	45	37	82	1	11	92
CLYDEBANK,	46,515	47,200	48	37	85	83	2	16	15	22	37	0	10	47
COATBRIDGE,	43 909	44,800	55	49	104	96	8	15	28	26	54	0	5	59
DUNFERMLINE,	39,886	41,000	39	32	71	68	3	14	23	23	46	7	3	42
KIRKCALDY,	39,591	40,200	39	48	87	83	4	20	20	21	41	2	3	42
HAMILTON,	39,420	40,300	57	51	108	103	5	11	29	25	54	3	6	57
KILMARNOCK,	35,756	36,500	37	38	75	73	2	26	28	22	50	6	3	47
AYR,	35,741	36,100	35	25	60	54	6	22	17	20	37	12	6	31
FALKIRK,	33,312	34,500	43	34	77	73	4	10	21	11	32	6	1	27
PERTH,	33,208	33,200	34	32	66	60	6	17	23	19	42	8	2	36
TOTAL (SIXTEEN TOWNS)	2,363,700	2,396,600	2607	2451	5058	4713	345	1270	1582	1520	3102	274	149	2977

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, March 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	26·8	6·6	6·9	15·4	14·7	1·1	1·6	1·2	3·0	219	93
EDINBURGH,	20·7	7·9	6·8	17·3	15·9	1·2	1·2	0·7	3·6	83	108
DUNDEE,	25·3	10·1	4·1	16·5	16·2	1·9	1·5	1·2	2·7	43	120
ABERDEEN,	22·7	10·7	8·5	14·1	13·1	0·2	1·1	0·7	2·1	31	92
PAISLEY,	28·1	4·9	5·6	12·8	12·1	0·4	0·8	0·7	1·9	9	51
GREENOCK,	26·4	2·7	4·5	15·7	15·9	0·6	2·7	1·3	2·5	21	112
MOTHERWELL AND WISHAW,	21·8	3·0	2·6	13·5	15·1	0 7	2 0	1·1	3·4	11	76
CLYDEBANK,	21·2	2·4	4·0	9·2	11·7	0·0	1·2	1·0	2 5	10	106
COATBRIDGE,	27·3	7·7	3·9	14·2	15·5	0·8	2·1	1·3	2·1	6	61
DUNFERMLINE,	20·4	4·2	4·0	13·2	12·1	0·6	0·6	0·3	1·7	3	45
KIRKCALDY,	25·5	4·6	5·9	12·0	12·3	0·9	0·6	0 0	2 9	8	108
HAMILTON,	31·6	4·6	3·2	15·8	16·7	2·3	1·5	0·9	2·0	8	90
KILMARNOCK,	24·2	2·7	8·4	16·1	15·2	1·3	2 6	1·9	1·3	7	92
AYR,	19·6	10·0	7·2	12·1	10·1	0·0	1 0	1·0	2 0	4	55
FALKIRK,	26·3	5 2	3·4	10·9	9 2	0·0	0·7	0·3	2·4	3	44
PERTH,	23·4	9·1	6·0	14·9	12·8	0·0	0·7	0·4	1·4	4	68
TOTAL (SIXTEEN TOWNS)	24·8	6·8	6·2	15·2	14·6	1·0	1·4	1·0	2·8	470	94

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR MARCH 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAR. 1923, .	**24·8**	**6·8**	**6·2**	**14·6**	**0**	**0**	**57**	**18**	**69**	**31**	**28**	**94**	**42°·7**
MAR. 1922, .	27·6	6·9	6·5	17·1	2	0	316	9	77	22	45	125	40°·6
MAR. 1921, .	27·0	7·6	9·2	17·9	4	0	29	17	205	39	52	114	42°·6
MAR. 1920, .	35·7	7·2	10·7	18·7	8	3	94	15	30	41	52	146	42°·7
MAR. 1919, .	18·8	10·3	8·9	27·0	5	0	59	8	225	39	37	187	36°·2
MAR. 1918, .	19·3	8·1	7·9	14·6	5	0	63	4	96	27	30	101	41°·4
MAR. 1917, .	21·8	7·9	6·0	17·8	3	0	88	7	181	38	44	131	37°·4
MAR. 1916, .	25·6	6·9	7·1	19·7	9	0	177	36	27	51	56	129	36°·9
MAR. 1915, .	29·4	6·5	7·3	22·9	7	0	110	51	418	45	36	176	40°·8
MAR. 1914, .	27·6	6·3	6·7	17·4	4	1	165	33	44	38	55	122	40°·8
MAR. 1913, .	26·2	7·0	7·9	18·5	9	0	28	19	221	36	73	135	41°·1

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	57	28	29	14	43	–	–	–	–	–	–	–	–	–	–
Scarlet Fever	18	10	8	1	10	4	–	2	–	1	–	–	–	–	–
Whooping-cough	69	38	31	28	39	2	–	–	–	–	–	–	–	–	–
Diphtheria	31	16	15	4	18	8	–	–	–	1	–	–	–	–	–
Influenza	21	13	8	1	–	–	1	1	–	1	4	5	6	2	–
Encephalitis Lethargica	28	17	11	–	2	4	–	4	6	6	2	3	–	1	–
Cerebro-spinal Meningitis	9	3	6	1	3	1	1	1	1	–	1	–	–	–	–
Other Epidemic Diseases	11	5	6	3	2	–	–	2	–	–	1	2	1	–	–
Tuberculosis of Respiratory System	202	113	89	2	3	2	9	40	43	52	22	18	10	1	–
Tuberculous Meningitis	38	22	16	5	26	1	1	5	–	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	23	11	12	4	8	3	3	3	–	1	–	1	–	–	–
Other Tuberculous Disease	32	15	17	1	7	8	5	4	4	–	1	2	–	–	–
Malignant Tumours	255	113	142	–	–	1	–	2	4	11	52	84	62	36	3
Rheumatic Fever	7	4	3	–	–	–	1	2	3	–	–	1	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	35	17	18	9	7	5	3	4	3	1	1	–	1	1	–
Apoplexy	269	118	151	2	–	–	–	–	2	5	26	61	89	78	6
Heart Disease	261	122	139	1	–	1	6	10	8	19	38	54	79	35	10
Diseases of Arteries	45	31	14	–	–	–	–	–	1	1	1	6	17	13	6
Bronchitis	227	113	114	27	10	1	–	–	1	5	23	35	64	53	8
Pneumonia (all forms)	308	179	129	86	63	3	3	9	9	24	21	31	41	16	2
Other Diseases of Respiratory System	39	18	21	6	5	3	–	2	1	2	2	4	7	5	2
Diarrhœa and Enteritis (under 2 years)	28	17	11	25	3	–	–	–	–	–	–	–	–	–	–
Appendicitis	19	6	13	–	–	2	4	3	2	–	–	6	1	1	–
All Diseases of Liver (not Malignant)	19	8	11	–	–	–	–	1	1	3	3	3	6	2	–
Nephritis, Acute and Chronic	95	46	49	–	1	2	–	4	4	13	17	21	25	6	2
Puerperal Sepsis	13	–	13	–	–	–	–	3	7	3	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	18	–	18	–	–	–	–	4	9	5	–	–	–	–	–
Diseases of Early Infancy and Malform.	184	99	85	181	1	–	1	1	–	–	–	–	–	–	–
Suicide	13	9	4	–	–	–	–	1	1	5	4	2	–	–	–
Other Violent Deaths	100	62	38	9	17	5	1	10	8	4	13	10	12	9	2
Other Defined Diseases	469	248	221	55	24	5	5	14	26	31	47	58	92	81	31
Causes Ill-defined or Unknown	34	22	12	5	2	–	–	–	1	2	4	7	8	3	2
	2977	1523	1454	470	294	61	44	132	145	196	283	414	521	343	74

DEATHS IN EACH TOWN (corrected for Transfers)—March 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	57	20	12	15	1	...	2	3	...
Scarlet Fever	18	10	6	1	...	...	1	...	...
Whooping-cough	69	35	17	6	...	1	...	1	...
Diphtheria	31	16	7	5	1	...	1	...	...
Influenza	21	2	8	...	1	1	1	1	...
Encephalitis Lethargica	28	7	13	1	...	1	...	...	1
Cerebro-spinal Meningitis	9	7	2	...	...	...	...	...	...
Other Epidemic Diseases	11	8	1	...	...	...	...	...	1
Tuberculosis of Respiratory System ...	202	103	26	18	10	5	9	7	4
Tuberculous Meningitis	38	15	10	3	...	...	5	1	1
Tuber. of Intestines and Peritoneum	23	7	4	1	2	...	...	2	...
Other Tuberculous Disease	32	15	3	1	3	1	5	2	...
Malignant Tumours	255	102	48	19	16	8	10	5	4
Rheumatic Fever	7	2	1	1	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	35	12	9	2	...	2	2	3	3
Apoplexy	269	104	68	22	14	11	7	4	1
Heart Disease	261	118	53	21	18	8	5	7	8
Diseases of Arteries	45	15	10	3	6	...	3	1	...
Bronchitis	227	103	52	10	12	7	6	8	1
Pneumonia (all forms)	308	145	62	26	16	6	10	12	8
Other Diseases of Respiratory System	39	14	15	5	...	1	1	1	1
Diarrhœa and Enteritis (under 2 years)	28	16	2	1	1	2	...	...	...
Appendicitis	19	9	2	...	...	1	2	3	1
All Diseases of Liver (not Malignant)	19	7	3	2	...	...	...	1	...
Nephritis, Acute and Chronic ...	95	48	17	7	8	5	4	1	2
Puerperal Sepsis	13	5	2	1	1	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	18	12	3	...	2	...	...	1	...
Dis. of Early Infancy and Malformations	184	87	17	18	21	2	10	6	5
Suicide	13	4	4	3	2	...	...	...	...
Other Violent Deaths	100	39	13	11	10	5	2	5	...
Other Defined Diseases	469	199	83	37	30	19	22	16	6
Causes Ill-defined or Unknown ...	34	16	4	2	3	1	2	1	...
All Causes ...	2977	1302	577	242	178	88	110	92	47
AGE AT DEATH.									
Under 1	470	219	83	43	31	9	21	11	10
1– 4	294	135	44	39	13	6	11	10	4
5– 9	61	23	13	5	2	1	4	4	2
10–14	44	21	7	4	3	...	2	5	...
15–24	132	58	19	12	4	6	8	6	3
25–34	145	59	28	12	7	7	6	4	4
35–44	196	95	38	12	10	8	6	5	3
45–54	283	137	49	12	13	12	9	13	5
55–64	414	187	83	31	20	11	17	12	4
65–74	521	217	113	38	40	12	17	14	7
75–84	343	123	81	29	30	14	9	6	5
85 and over	74	28	19	5	5	2	...	2	...
All Ages ...	2977	1302	577	242	178	88	110	92	47

DEATHS IN EACH TOWN (corrected for Transfers)—March 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	2	2	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...
Whooping-cough	2	...	...	5	2	...	...	...
Diphtheria	...	...	...	1	...	...	...	...
Influenza...	2	...	2	2	...	...	...	1
Encephalitis Lethargica	1	...	1	...	3	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	1	...
Tuberculosis of Respiratory System ...	5	1	...	3	6	3	1	1
Tuberculous Meningitis	...	...	1	...	1	...	1	...
Tuber. of Intestines and Peritoneum ...	2	1	...	2	1	...	...	1
Other Tuberculous Disease	1	...	1	...	...	...	...	...
Malignant Tumours	6	5	4	10	8	3	3	4
Rheumatic Fever	...	1	...	1	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	...	1	...	...	1	...	...	...
Apoplexy	5	8	6	3	6	4	3	3
Heart Disease	5	3	1	6	2	2	2	2
Diseases of Arteries	1	...	...	...	1	1	...	4
Bronchitis	5	3	5	2	3	1	5	4
Pneumonia (all forms)	3	3	5	5	1	5	1	...
Other Diseases of Respiratory System	...	...	...	...	...	...	1	...
Diarrhœa and Enteritis (under 2 years)	1	...	1	2	2	...	...	...
Appendicitis	...	...	...	...	...	...	...	1
All Diseases of Liver (not Malignant)	2	1	...	...	1	...	...	2
Nephritis, Acute and Chronic... ...	1	1	...	...	...	...	...	1
Puerperal Sepsis	1	1	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	3	...	3	4	2	1	2	3
Suicide	...	...	...	...	...	...	...	...
Other Violent Deaths	5	1	...	2	1	4	1	1
Other Defined Diseases	8	10	10	8	4	5	6	6
Causes Ill-defined or Unknown ...	...	...	...	1	2	1	...	1
All Causes ...	59	42	42	57	47	31	27	36
AGE AT DEATH.								
Under 1	6	3	8	8	7	4	3	4
1– 4	5	2	7	12	3	...	2	1
5– 9	3	...	1	...	1	...	...	2
10–14	...	...	...	1	1	...	...	...
15–24	4	1	...	3	4	1	2	1
25–34	3	5	1	3	1	3	...	2
35–44	2	2	3	1	3	...	2	6
45–54	4	6	2	7	5	5	2	2
55–64	12	6	5	8	6	3	5	4
65–74	11	7	7	9	12	6	6	5
75–84	7	9	6	3	4	7	5	5
85 and over	2	1	2	2	...	2	...	4
All Ages ...	59	42	42	57	47	31	27	36

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH, During the Month of MARCH 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	AIR TEMPERATURE. Day of Month.	AIR TEMPERATURE. Absolute Maximum and Minimum. Minimum.	AIR TEMPERATURE. Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	HYGROMETER. Depression of Wet Bulb.	HYGROMETER. Vapour Pressure.	HYGROMETER. Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	RAIN. Total Fall.	RAIN. Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·537	30·027	46·6	37·4	42·0	+2·1	64	27*th*	32	24*th*	41·0	1·9	·217	85	12	0·78	−1·01	1	2	13	9	12	4	6	1	14
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·849	30·033	46·7	36·3	41·5	+1·7	55	29*th*	30	14, 19, 25	40·1	0·7	·233	94	16	1·45	−0·61	0	16	0	29	0	14	0	3	0
ABERDEEN,* The Meteorological Office.	90	29·936	30·038	46·8	37·5	42·2	+2·1	53	13, 14	31	19*th*	40·7	1·2	·229	90	16	1·76	0·65	3	4	7	11	10	5	4	6	12
PAISLEY, The Coats Observatory.	107	29·905	30·026	49·7	37·6	43·7	+1·9	61	26*th*	28	24*th*	42·4	1·9	·231	86	11	2·28	0·90	2	8	20	6	7	5	4	2	8
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·758	30·020	48·4	38·4	43·4	+3·3	59	27*th*	31	23*rd*	41·4	2·0	·220	85	13	3·31	−1·62	1	7	27	5	5	4	11	1	1
PERTH,† J. RITCHIE, Jr., The Museum.	22	30·004	30·029	49·5	36·8	43·2	+3·1	61	27*th*	27	24*th*	..	..	..	..	10	0·99	−1·50	5	17	8	17	0	6	4	5	0
Means	176	29·832	30·029	48·0	37·3	42·7	+2·4	..	..	..	..	41·1	1·5	·226	88	13	1·76	−1·05	2	9	12	13	6	6	5	3	6

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's Colleges at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

APRIL 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of April 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5208 living children, of whom 2666 were males, and 2542 were females. Compared with the number registered in the previous month that of male children is 59 more, and that of female children is 91 more. Compared with the number registered in April of last year that of male children is 115 more, but that of female children is 18 fewer. The total children of the month numbered 150 more than those of the previous month, 97 more than those of April of last year, and 210 more than the mean of the numbers of the three preceding months.

The monthly birth-rate of these towns taken collectively was 26·4 per thousand. This rate is 1·6 more than that of the previous month, 1·0 more than the mean of those of the three preceding months, and 0·2 more than that of April of last year. In the individual towns the monthly birth-rate varied from 31·2 in Coatbridge, 30·5 in Hamilton, 29·7 in Greenock, 28·7 in Glasgow, and 28·5 in Falkirk, to 19·4 in Perth, 20·5 in Dunfermline, 20·9 in Kirkcaldy, 22·0 in Kilmarnock, and 22·6 in Edinburgh. In Aberdeen this rate was 26·7, in Dundee 25·9, in Motherwell and Wishaw 25·6, in Clydebank 25·3, in Ayr 24·6, and in Paisley 23·2.

Of the 5208 children registered in these towns during the month 4887, or 93·8 per cent., were legitimate, and 321, or 6·2 per cent., were illegitimate. The legitimate children of the month numbered 174 more than those of the previous month, 220 more than the mean of the numbers of the three preceding months, and 134 more than in the corresponding month of last year. The illegitimate children of the month numbered 24 fewer than in the previous month, 37 fewer than in the corresponding month of last year, and 10 fewer than the mean of the numbers of the three preceding months. The illegitimate rate of the month is 0·6 less than that of the previous month, 0·8 less than that of April of last year, and 0·4 less than the mean of those of the three preceding months. In the individual towns this rate varied from 12·1 in Kilmarnock, 11·3 in Perth, 9·1 in Edinburgh,

and 8·8 in Aberdeen, to 1·0 in Clydebank, 1·7 in Coatbridge, and 2·5 in Falkirk. In Glasgow this rate was 5·2, and in Dundee 7·8

Marriages registered in these towns numbered 2206. This number is 936 more than that of the previous month, 346 more than that of April of last year, and 566 more than the mean of those of the three preceding months. The monthly marriage-rate is 11·2 per thousand, and is 5·0 more than that of the previous month, 1·7 more than that of April of last year, and 2·9 more than the mean of those of the three preceding months. In the individual towns this rate varied from 12·1 in Glasgow, 11·6 in Edinburgh and in Paisley, 11·4 in Perth, and 11·3 in Dundee and in Falkirk, to 7·5 in Greenock, 7·5 in Clydebank, and 7·6 in Kirkcaldy.

Deaths registered in these towns numbered 2923, 1478 being of males, and 1449 of females. Compared with the number registered in the previous month, that of males shows a decrease of 104, and that of females a decrease of 71. These 2923 deaths include those of 214 persons with usual residence outwith the town of registration, but exclude those of 142 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 72, falls to be deducted to get the corrected number for the month, which is thus found to be 2851.

The monthly death-rate, based on the corrected number of deaths, is 14·5 per thousand. This rate is 0·1 less than that of the previous month, 0·6 less than the mean of those of the three preceding months, and 3·6 less than that of April of last year. In the individual towns the monthly death-rate varied from 15·7 in Edinburgh, 15·4 in Glasgow, 15·4 in Greenock, and 15·2 in Coatbridge, to 9·0 in Clydebank, 10·3 in Kirkcaldy, 10·3 in Hamilton, 10·4 in Motherwell and Wishaw, and 10·9 in Falkirk.

Deaths of children of less than one year old numbered 446. This number is 24 less than that of the previous month, 52 less than the mean of the numbers of the three preceding months, and 271 less than the number in April of last year. These deaths equal an infantile mortality rate of 92 per thousand of the average number of births registered during the previous twelve months. This rate is 2 less than that of the previous month, 10 less than the mean of the preceding three months, and 43 less than that of April of last year. In the individual towns this rate varied from 155 in Kirkcaldy, 143 in Perth, 123 in Dundee, 115 in Coatbridge, and 105 in Paisley, to 14 in Ayr, 29 in Motherwell and Wishaw, and 45 in Dunfermline. In Clydebank this rate was 99, in Glasgow 96, in Kilmarnock 96, in Hamilton 91, in Edinburgh 83, in Aberdeen 74, in Falkirk 74, and in Greenock 66.

Deaths from the principal epidemic diseases numbered 237, and equal a death-rate of 1·2 per thousand. This death-rate is 0·2 more than that of the previous month, and 0·1 more than the mean of those of the three preceding months, but is 2·2 less than that of April of last year. These deaths include 3 from enteric fever, 66 from measles, 26 from scarlet fever, 81 from whooping-cough, 31 from diphtheria, and 30 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from whooping-cough are 12 more, from measles 9 more, from scarlet fever 8 more, from enteric fever 3 more, and from the diarrhœas of childhood 2 more, while those from diphtheria are of the same number.

Deaths from influenza numbered 30. In March these deaths numbered 21, in February 22, and in January 26.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, numbered 492. This number is 82 less than that of the previous month, 178 less than that of April of last year, and 98 less than the mean of those of the three preceding months. Of these deaths 291 were ascribed to pneumonia and 159 to bronchitis.

Deaths from all forms of tuberculosis numbered 309, of which 205 were ascribed to tuberculosis of the respiratory system. The former number is 14 more than that of the previous month, 17 more than that of the three preceding months, and 10 more than that of April of last year. The latter number is 3 more than that of the previous month, but is 2 less than that of the three preceding months, and is 8 less than that of April of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1923.

Mean barometric pressure, 29·776 in.; less than the average of 1881–1915 by 0·114 in.

Mean temperature, 42°·9; less by 1°·6.

Mean daily range of temperature, 10°·2; less by 4°·1.

Rain, depth in inches, 2·91; greater by 0·80 in.

Wind, direction of: an 8 days' excess of winds from between N.E. and S.E.

Hence the month was characterised by a low mean pressure; a low mean temperature, with an abnormally low mean daily range; a high mean rainfall; and a large excess of easterly winds.

The easterly type of conditions associated with relatively high pressure over Scandinavia, which had predominated since about the middle of February, persisted throughout the first three weeks of April; but on the evening of 24th a deep depression came in quickly from the Atlantic and crossed the north of Scotland. This was followed by other smaller systems, and a breakdown of the easterly type. Earlier, depressions had encroached about 4th and 12th, but these passed away south-eastwards.

Temperature at first differed little from the normal, though the days were rather cold in the east, whilst a warmer spell from 11th to 14th was followed by an incursion of air from the Spitzbergen region and very cold weather. Towards the end of the month there was a recovery. Almost everywhere the mean was below the normal, the days being exceptionally cold, especially towards the east. Indeed only twice during the last sixty years (in 1879 and 1917) has the mean day temperature for April been lower. Frost was occasionally experienced up to almost the end of the month, but was much less frequent than in April 1922. The mean daily range was the lowest on record for April. Extremes were 61° at Ruthwell on 11th and 17° at Leadhills on 9th.

Moderate rains fell early in the month, especially in the west on 4th; and rather heavy rain was general between 9th and 12th. A dry period from 15th to 23rd was followed by unsettled conditions with rather heavy falls in west on night of 24th and in north on 30th (1·50 in. at Tongue). Aggregates showed a rather irregular distribution, but on the whole there was a deficiency in north-west and an excess towards east and south. This was considerable in parts of Perthshire and Dumfriesshire, and at Cargen, near Dumfries, the total of 5·06 in. has been exceeded in April during the last sixty years only in 1913.

A south-easterly gale was experienced in Shetland on 25th, followed on 26th by a northerly gale, which affected the north coast generally. Snow fell on several days, and early on 25th lay over a large area to a depth of some inches, though it melted rapidly during the day.

A somewhat severe thunderstorm occurred in south on night of 12th, and slight storms at a number of places on 28th and locally on 10th, 15th, 23rd, and 27th.

The month was very cloudy in the east, and at Aberdeen the sunshine aggregate of 90 hours was the smallest recorded in April and only half that at Stornoway.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 32.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, April 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1246	1207	2453	2325	128	1038	678	651	1329	78	65	1316
EDINBURGH,	420,264	426,000	414	376	790	718	72	406	287	302	589	53	12	548
DUNDEE,	168,315	176,000	173	201	374	345	29	163	100	111	211	8	7	210
ABERDEEN,	158,963	160,200	165	187	352	321	31	142	79	86	165	21	17	161
PAISLEY,	84,837	85,900	87	77	164	157	7	82	45	56	101	5	4	100
GREENOCK,	81,123	81,600	97	102	199	191	8	50	69	36	105	4	2	103
MOTHERWELL AND WISHAW,	68,869	71,700	83	68	151	139	12	55	31	28	59	1	3	61
CLYDEBANK,	46,506	47,200	55	43	98	97	1	29	13	15	28	0	7	35
COATBRIDGE,	43,909	44,800	72	43	115	113	2	36	29	23	52	2	6	56
DUNFERMLINE,	39,899	41,000	36	33	69	66	3	31	24	25	49	7	5	47
KIRKCALDY,	39,591	40,200	36	33	69	66	3	25	14	20	34	3	3	34
HAMILTON,	39,420	40,300	57	44	101	96	5	26	15	14	29	1	6	34
KILMARNOCK,	35,911	36,500	36	30	66	58	8	30	27	22	49	13	3	39
AYR,	35,763	36,100	38	35	73	69	4	30	23	13	36	2	1	35
FALKIRK,	33,308	34,500	40	41	81	79	2	32	15	18	33	2	0	31
PERTH,	33,208	33,200	31	22	53	47	6	31	25	29	54	14	1	41
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2666	2542	5208	4887	321	2206	1478	1449	2923	214	142	2851

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, April 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	28·7	5·2	12·1	15·5	15·4	1·6	1·6	1·1	2·9	220	96
EDINBURGH,	22·6	9·1	11·6	16·8	15·7	1·3	1·5	1·0	2·6	62	83
DUNDEE,	25·9	7·8	11·3	14·6	14·5	1·2	1·7	1·1	2·1	43	123
ABERDEEN,	26·7	8·8	10·8	12·5	12·2	0·2	1·5	1·0	2·1	24	74
PAISLEY,	23·2	4·3	11·6	14·3	14·2	1·1	1·1	0·6	1·6	13	105
GREENOCK,	29·7	4·0	7·5	15·7	15·4	0·9	1·6	1·3	2·4	12	66
MOTHERWELL AND WISHAW,	25·6	7·9	9·3	10·0	10·4	0·7	1·4	0·5	1·5	4	29
CLYDEBANK,	25·3	1·0	7·5	7·2	9·0	1·3	1·8	1·0	1·8	9	99
COATBRIDGE,	31·2	1·7	9·8	14·1	15·2	1·4	2·2	0·8	2·4	11	115
DUNFERMLINE,	20·5	4·3	9·2	14·5	13·9	0·0	3·3	2·7	1·8	3	45
KIRKCALDY,	20·9	4·3	7·6	10·3	10·3	0·0	1·5	0·3	1·5	11	155
HAMILTON,	30·5	5·0	7·8	8·3	10·3	0·9	0·6	0·3	2·4	8	91
KILMARNOCK,	22·0	12·1	10·0	16·3	13·0	1·0	0·7	0·3	0·7	7	96
AYR,	24·6	5·5	10·1	12·1	11·8	0·0	0·7	0·7	3·0	1	14
FALKIRK,	28·5	2·5	11·3	11·6	10·9	0·4	1·1	1·1	1·4	5	74
PERTH,	19·4	11·3	11·4	19·8	15·0	0·0	1·8	0·7	2·6	8	143
TOTAL (SIXTEEN TOWNS)	26·4	6·2	11·2	14·8	14·5	1·2	1·6	1·0	2·5	446	92

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR APRIL 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
APR. 1923, .	**26·4**	**6·2**	**11·2**	**14·5**	**3**	**0**	**66**	**26**	**81**	**31**	**30**	**92**	**42°·9**
APR. 1922, .	26·2	7·0	9·5	18·1	1	0	505	8	83	27	33	135	41°·0
APR. 1921, .	29·7	6·3	10·6	15·5	1	0	25	16	167	23	44	99	46°·0
APR. 1920, .	34·5	6·9	13·3	19·7	4	6	128	9	37	40	45	148	44°·0
APR. 1919, .	19·7	8·6	13·1	16·5	2	0	88	6	213	24	36	128	44°·7
APR. 1918, .	23·3	7·9	9·6	15·1	4	0	111	8	86	28	38	118	43°·2
APR. 1917, .	23·0	7·8	8·3	18·7	3	0	239	5	244	27	33	140	41°·0
APR. 1916, .	25·2	6·4	8·2	17·6	4	0	141	39	40	30	44	116	45°·3
APR. 1915, .	29·0	7·5	9·3	20·3	8	0	140	33	361	37	58	155	45°·4
APR. 1914, .	29·0	6·8	10·7	16·5	10	0	107	20	52	31	51	110	48°·5
APR. 1913, .	29·6	6·3	9·5	17·5	12	0	66	13	166	30	52	111	44·8

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	3	3	–	–	–	–	–	–	2	1	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	66	43	23	17	47	2	–	–	–	–	–	–	–	–	–
Scarlet Fever	26	12	14	–	15	7	2	1	1	–	–	–	–	–	–
Whooping-cough	81	40	41	32	48	–	–	–	–	–	–	1	–	–	–
Diphtheria	31	16	15	6	15	8	2	–	–	–	–	–	–	–	–
Influenza	30	10	20	1	–	–	–	1	2	4	5	6	9	2	–
Encephalitis Lethargica	16	6	10	–	1	–	–	4	1	3	4	2	–	1	–
Cerebro-spinal Meningitis	1	1	–	–	–	1		–	–	–	–	–	–	–	–
Other Epidemic Diseases	12	4	8	2	2	–	–	–	–	2	2	3	1	–	–
Tuberculosis of Respiratory System	205	115	90	3	2	4	3	47	48	40	39	14	5	–	–
Tuberculous Meningitis	43	22	21	11	19	7	3	2	1	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	34	20	14	6	10	4	4	5	2	2	1	–	–	–	–
Other Tuberculous Disease	27	11	16	4	3	3	6	3	3	1	2	1	–	1	–
Malignant Tumours	241	99	142	–	–	–	–	2	9	20	46	75	57	30	2
Rheumatic Fever	7	2	5	–	–	–	2	2	1	2	–	–	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	21	10	11	13	6	–	–	1	1	–	–	–	–	–	–
Apoplexy	235	113	122	–	–	–	1	1	2	6	20	43	90	58	14
Heart Disease	294	140	154	–	2	1	8	9	14	21	33	60	85	57	4
Diseases of Arteries	31	19	12	–	–	–	–	–	–	1	2	7	12	8	1
Bronchitis	159	75	84	14	4	–	–	–	3	7	4	40	40	40	7
Pneumonia (all forms)	291	164	127	59	61	4	2	8	15	33	23	35	31	18	2
Other Diseases of Respiratory System	42	17	25	9	1	1	–	2	2	–	2	8	11	3	3
Diarrhœa and Enteritis (under 2 years)	30	18	12	24	6	–	–	–	–	–	–	–	–	–	–
Appendicitis	17	10	7	–	–	3	2	4	–	3	4	1	–	–	–
All Diseases of Liver (not Malignant)	18	7	11	–	–	–	–	–	–	2	7	3	5	1	–
Nephritis, Acute and Chronic	91	46	45	2	2	1	2	2	5	10	22	21	17	6	1
Puerperal Sepsis	10	–	10	–	–	–	–	–	8	2	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	22	–	22	–	–	–	–	4	10	7	1	–	–	–	–
Diseases of Early Infancy and Malform.	194	108	86	191	2	–	–	–	1	–	–	–	–	–	–
Suicide	14	12	2	–	–	–	–	1	3	6	2	2	–	–	–
Other Violent Deaths	76	47	29	5	6	6	–	7	9	10	8	12	8	4	1
Other Defined Diseases	433	203	230	43	12	6	6	13	17	23	44	61	74	92	42
Causes Ill-defined or Unknown	50	31	19	4	7	–	2	–	2	2	7	13	8	4	1
	2851	1424	1427	446	271	58	45	119	162	208	278	408	453	325	78

DEATHS IN EACH TOWN (corrected for Transfers)—April 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	3	2	1	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	66	49	9	5	...	...	1	1	1
Scarlet Fever	26	5	15	1	...	1	1	2	...
Whooping-cough	81	50	9	8	2	3	...	1	3
Diphtheria	31	14	11	1	...	2	2	...	1
Influenza	30	4	9	2	3	...	5	...	...
Encephalitis Lethargica	16	4	5	2	...	...	...	...	...
Cerebro-spinal Meningitis	1	1	...	...	...	...	...	...	...
Other Epidemic Diseases	12	10	1	1	...	...	...	...	...
Tuberculosis of Respiratory System ...	205	98	36	16	13	4	9	3	4
Tuberculous Meningitis	43	16	8	4	4	1	1	2	1
Tuber. of Intestines and Peritoneum	34	13	5	3	1	1	1	2	2
Other Tuberculous Disease	27	12	4	2	2	2	...	1	...
Malignant Tumours	241	112	49	23	10	7	8	5	...
Rheumatic Fever	7	1	3	...	1	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	21	8	4	2	...	2	...	...	...
Apoplexy	235	110	53	8	20	6	11	5	1
Heart Disease	294	124	61	24	17	15	10	5	4
Diseases of Arteries	31	11	2	4	6	...	2	1	...
Bronchitis	159	85	29	5	5	3	8	5	1
Pneumonia (all forms)	291	151	50	20	17	8	7	4	6
Other Diseases of Respiratory System	42	15	12	5	5	...	1	...	...
Diarrhœa and Enteritis (under 2 years)	30	16	2	2	...	2	2	...	...
Appendicitis	17	8	4	2	...	2	1	...	...
All Diseases of Liver (not Malignant)	18	10	3	1	...	...	...	2	...
Nephritis, Acute and Chronic ...	91	44	16	5	6	2	2	3	...
Puerperal Sepsis	10	6	2	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	22	9	1	1	3	2	2	2	...
Dis. of Early Infancy and Malformations	194	84	28	22	7	8	5	1	4
Suicide	14	4	4	3	...	...	...	...	...
Other Violent Deaths	76	37	14	2	4	5	3	2	2
Other Defined Diseases	433	172	94	32	34	23	19	13	5
Causes Ill-defined or Unknown ...	50	31	4	3	1	...	2	1	...
All Causes ...	2851	1316	548	210	161	100	103	61	35
AGE AT DEATH.									
Under 1	446	220	62	43	24	18	12	4	9
1– 4	271	136	47	28	8	4	8	8	7
5– 9	58	32	12	4	...	1	2	1	1
10–14	45	22	5	2	3	3	3	1	1
15–24	119	59	19	7	9	5	6	1	3
25–34	162	69	39	9	10	4	6	4	3
35–44	208	97	44	10	13	8	5	9	1
45–54	278	138	55	9	14	10	12	10	2
55–64	408	188	78	28	14	20	15	6	3
65–74	453	189	90	41	31	12	23	8	5
75–84	325	138	78	19	30	11	6	8	...
85 and over	78	28	19	10	5	4	5	1	...
All Ages ...	2851	1316	548	210	161	100	103	61	35

DEATHS IN EACH TOWN (corrected for Transfers)—April 1923 — *continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	1	...	...	...	...
Whooping-cough	2	...	...	1	1	...	1	...
Diphtheria	...	...	...	...	...	...	...	...
Influenza...	2	1	...	...	2	1	1	...
Encephalitis Lethargica	1	1	...	2	1	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	3	9	1	1	1	2	3	2
Tuberculous Meningitis	2	...	1	...	1	...	...	2
Tuber. of Intestines and Peritoneum ...	2	2	2	...	...	...	...	...
Other Tuberculous Disease	1	...	1	1	...	...	...	1
Malignant Tumours	2	7	...	3	6	4	1	4
Rheumatic Fever	...	...	...	...	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	1	...	1	1	1
Apoplexy	...	4	3	1	7	3	...	3
Heart Disease	1	7	2	3	3	6	5	7
Diseases of Arteries	...	1	1	...	1	...	1	1
Bronchitis	7	3	3	2	2	1	...	...
Pneumonia (all forms)	2	3	1	3	...	8	4	7
Other Diseases of Respiratory System	...	...	1	3	...	...	...	...
Diarrhœa and Enteritis (under 2 years)	3	...	...	1	2	...	...	...
Appendicitis	...	...	...	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	...	...	1	...	1	...
Nephritis, Acute and Chronic... ...	3	2	2	2	...	2	1	1
Puerperal Sepsis	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	1	...	...	...	...	1	...	...
Dis. of Early Infancy and Malformations	9	2	6	6	3	1	3	5
Suicide	...	...	1	...	...	...	1	1
Other Violent Deaths	2	...	1	1	1	2	...	...
Other Defined Diseases	8	4	7	2	5	3	7	5
Causes Ill-defined or Unknown ...	3	1	1	...	1	...	1	1
All Causes ...	56	47	34	34	39	35	31	41
AGE AT DEATH.								
Under 1	11	3	11	8	7	1	5	8
1– 4	12	...	1	1	1	6	3	1
5– 9	1	2	...	1	...	1	...	...
10–14	3	...	...	1	1	...	...	...
15–24	...	...	...	3	1	...	2	4
25–34	7	1	3	2	1	2	1	1
35–44	3	5	2	2	2	2	2	3
45–54	3	10	3	3	3	3	1	2
55–64	8	6	5	4	14	9	4	6
65–74	5	12	3	8	5	5	7	9
75–84	3	5	5	1	4	5	6	6
85 and over	...	3	1	...	...	1	...	1
All Ages ...	56	47	34	34	39	35	31	41

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of APRIL 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average, 1881–1916.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·282	29·771	46·9	36·8	41·9	−1·9	57	30*th*	30	24*th*	41·6	2·8	·207	80	16	1·79	+0·41	2	5	14	16	5	4	6	2	6
DUNDEE, A. MACR.[illegible], Curator of Cemeteries.	164	29·605	29·789	46·9	36·7	41·8	−2·3	55	29*th*	30	28*th*	41·5	1·3	·234	90	17	2·61	+0·91	0	9	0	37	0	5	0	9	0
ABERDEEN, The Meteorological Office.	90	29·696	29·798	46·3	38·8	42·6	−1·1	55	25	31	28*th*	41·8	1·8	·227	86	20	1·84	−0·03	3	5	6	21	12	3	2	6	2
PAISLEY, The Coats Observatory.	107	29·642	29·762	50·5	38·3	44·4	−1·8	59	3*rd*	31	24*th*	44·3	3·0	·227	77	18	3·46	+1·14	3	9	22	8	2	4	6	2	4
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·501	29·762	48·6	38·6	43·6	−1·0	56	30*th*	32	24*th*	43·1	3·2	·212	76	18	4·75	+1·11	0	6	32	0	4	7	6	5	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·749	29·774	49·1	37·4	43·3	1·2	57	30*th*	28	28*th*	..	..	..	..	11	3·04	+1·26	5	12	18	14	2	2	4	3	0
Means	176	29·579	29·776	48·0	37·8	42·9	−1·6	..	..	..	..	42·5	2·4	·221	82	17	2·91	+0·80	2	8	15	16	4	4	4	4	2

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

MAY 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of May 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 5219 living children, of whom 2674 were males, and 2545 were females. The male children of the month number 8 more than those of the previous month, and the female children 3 more. The total children registered during the month number 11 more than in the previous month, and 243 more than the mean of the numbers of the three preceding months, but 228 fewer than in May of last year.

The monthly birth-rate was 25·6 per thousand. This rate is 0·8 less than that of the previous month, and 1·5 less than that of the corresponding month of last year, but is 0·1 more than the mean of those of the three preceding months. In the individual towns the monthly birth-rate varied from 30·3 in Greenock, 29·7 in Ayr, 28·4 in Paisley, 27·5 in Hamilton, and 27·2 in Dundee, to 19·4 in Falkirk, 21·8 in Dunfermline, 22·3 in Perth, and 22·6 in Edinburgh. In Aberdeen this rate was 26·5, in Coatbridge 26·5, in Glasgow 26·3, in Kirkcaldy 25·8, in Motherwell and Wishaw 24·8, in Kilmarnock 24·2, and in Clydebank 22·7.

Of the 5219 children whose births were registered in these towns during the month 4860, or 93·1 per cent., were legitimate, while 359, or 6·9 per cent., were illegitimate. The illegitimate children of the month number 38 more than in the previous month, and 35 more than the mean of the numbers of the three preceding months, but 11 less than in May of last year. The illegitimate rate of the month is 0·7 more than that of the previous month, 0·4 more than the mean of those of the three preceding months, and 0·1 more than that of May of last year. In the individual towns this rate varied from 9·7 in Aberdeen, 9·2 in Dunfermline, 9·1 in Edinburgh, and 8·4 in Dundee, to 0 in Clydebank and in Falkirk, and 2·0 in Motherwell and Wishaw and in Coatbridge. In Perth this rate was 7·9, in Kirkcaldy 6·8, in Glasgow 6·7, in Greenock 6·7, in Kilmarnock 6·7, in Paisley 5·8, in Ayr 3·3, and in Hamilton 2·1.

Marriages registered during the month numbered 815, which number is 1391 less

than that of the previous month, 776 less than the mean of those of the three preceding months, and 206 less than that of May of last year. The monthly marriage-rate was 4·0 per thousand. It is 7·2 less than that of the previous month, 4·2 less than the mean of those of the three preceding months, and 1·1 less than that of May of last year. In the individual towns this rate ranged from 6·1 in Aberdeen, 5·7 in Perth, 5·3 in Edinburgh, and 4·5 in Glasgow, to 0·6 in Hamilton, 1·2 in Clydebank, 1·4 in Paisley, 1·7 in Dunfermline, and 1·8 in Motherwell and Wishaw.

Deaths registered in these towns during the month numbered 3025, 1550 being of males and 1475 of females. Compared with the number in the previous month, deaths of males are 72 more and those of females are 26 more. These 3025 deaths include those of 284 persons with usual residence outwith the town of registration, but exclude those of 152 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 132, falls to be deducted to get the corrected number for the month, which is thus found to be 2893.

The monthly death-rate, based on the corrected number of deaths, is 14·2 per thousand. This rate is 0·3 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 1·8 less than that of May of last year. In the individual towns this rate ranged from 18·1 in Perth, 15·6 in Aberdeen, 15·4 in Greenock, and 15·1 in Dundee, to 8·9 in Motherwell and Wishaw, 10·2 in Clydebank, and 10·3 in Kilmarnock. In Glasgow it was 14·8, in Edinburgh 14·7, in Kirkcaldy 14·3, in Falkirk 12·6, in Dunfermline 12·3, in Hamilton 12·0, in Paisley 11·0, in Coatbridge 10·8, and in Ayr 10·8.

Deaths of children of less than one year old numbered 466. This number is 20 more than in the previous month, and 9 more than the mean of those of the three preceding months, but is 135 less than that of May of last year. These deaths equal an infantile mortality rate of 93 per thousand of the average number of births registered during the preceding twelve months. This rate is 1 more than that of the previous month, but is 2 less than the mean of those of the three preceding months, and is 18 less than that of May of last year. In the individual towns this rate varied from 144 in Aberdeen, 136 in Perth, 108 in Kirkcaldy, and 105 in Greenock, to 39 in Paisley, 44 in Hamilton, 53 in Kilmarnock, and 55 in Ayr. In Falkirk it was 101, in Glasgow 99, in Dundee 89, in Dunfermline 86, in Edinburgh 84, in Coatbridge 72, in Clydebank 65, and in Motherwell and Wishaw 63.

Deaths from the principal epidemic diseases numbered 203. This number is 34 less than in the preceding month, 8 less than the mean of the three preceding months, and 350 less than that of May of last year. These deaths equal a mortality rate of 1·0 per thousand, which is 0·2 less than that of the preceding month, 0·1 less than the mean of those of the three preceding months, and 1·7 less than that of May of last year. These deaths include 2 from enteric fever, 56 from measles, 12 from scarlet fever, 85 from whooping-cough, 15 from diphtheria, and 33 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from whooping-cough are 4 more, and those from the diarrhœas of childhood are 3 more, but those from enteric fever are 1 fewer, from measles 10 fewer, from scarlet fever 14 fewer, and from diphtheria 16 fewer.

Deaths from influenza numbered 17. In April these deaths numbered 30, in March 21, and in February 22.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, numbered 499. This number is 7 more than in the previous month, but is 30 less than the mean of those of the three preceding months, and is the same as that of May of last year. Of these deaths 305 were ascribed to pneumonia and 160 to bronchitis.

Deaths from all forms of tuberculosis numbered 295, of which 193 were ascribed to tuberculosis of the respiratory system. The former number is 14 less than in the previous month, and 34 less than in the corresponding month of last year, but is 1 more than the mean of those of the three preceding months. The latter number is 12 less than in the preceding month, 8 less than the mean of those of the three preceding months, and 42 less than in May of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1923.

Mean barometric pressure, 29·836 in.; less than the average of 1881–1915 by 0·112 in.

Mean temperature, 46°·7; less by 2°·8.

Mean daily range of temperature, 13°·5; less by 1°·7.

Rain, depth in inches, 2·31; less by 0·10 in.

Wind, direction of: a 5 days' excess of winds from N.W. and N.

Hence the month was characterised by a low mean pressure; an abnormally low mean temperature, with a low mean daily range; a slightly low mean rainfall; and an excess of north-westerly winds.

A persistent anticyclone over the Atlantic was the dominating influence. Between 9th and 25th a series of depressions moved south-eastwards from Iceland, passing over or near Scotland, but thereafter the centre of the anticyclone lay off the Hebrides, with more stable conditions over our area.

Mild westerly winds prevailed at first, and in central and eastern districts the highest temperatures of the month were experienced on 3rd or 4th. From 7th onwards, on the other hand, the air supply was almost continuously of polar origin, and temperature very low though moderately high in west on 29th. The month as a whole was the coldest May since 1902, with the temperature deficiency more marked by day than by night, though frosts, indeed, were frequent. Extremes were 70° at Crathes,—an unusually low absolute maximum for May,—and 23° at Braemar on 9th and at Leadhills on 10th.

The first week was dry except in the north-west and north; but from 9th to 26th rain was frequent, with rather heavy general falls on 9th and 10th, whilst thereafter conditions were hardly more than showery in the south though persistently wet in the north. At Keith amounts exceeding 1 inch were recorded on 12th, 13th, 15th, 16th, and 25th, and on 25th Grantown-on Spey had 1·84 in. and a wide area more than 1 inch. The last few days were rainless except for slight falls near the east coast. Aggregates showed a general excess in the northern half of the country, but in the south there was a deficiency in most districts, and the prevailing northerly winds resulted in a great contrast between the two sides of the main Grampian range. Thus at Keith and Grantown-on-Spey the month was the wettest May for at least 40 years, and the total of 11 inches at Keith represented four times the average. On the other hand Perth and Crieff had less than an inch, or hardly more than one third of the average.

Snow was of frequent occurrence between 9th and 17th, and on high ground in the north the falls were altogether abnormal for the time of year, with much drifting. At the end of the month, with melting snow, and after heavy rains, rivers in the north-eastern district were in flood.

Strong winds were unusually prevalent, and gales were widely experienced on 10th and 11th.

Thunder occurred locally on 9th and 10th, from 13th to 16th, and on 23rd and 27th, mostly towards south-east, and also in Shetland on 21st.

Sunshine was deficient towards east and north, but fairly abundant in some western districts.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, MAY 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1204	1126	2330	2173	157	397	704	656	1360	104	57	1313
EDINBURGH,	420,264	426,000	438	379	817	743	74	191	289	307	596	81	18	533
DUNDEE,	168,315	176,000	197	210	407	373	34	33	107	125	232	10	4	226
ABERDEEN,	158,963	160,200	168	193	361	326	35	83	113	104	217	25	20	212
PAISLEY,	84,837	85,900	117	90	207	195	12	10	38	42	80	4	4	80
GREENOCK,	81,123	81,600	110	100	210	196	14	15	57	50	107	4	4	107
MOTHERWELL AND WISHAW,	68,869	71,700	82	69	151	148	3	11	25	16	41	2	15	54
CLYDEBANK,	46,506	47,200	44	47	91	91	0	5	17	16	33	1	9	41
COATBRIDGE,	43,909	44,800	50	51	101	99	2	13	24	16	40	1	2	41
DUNFERMLINE,	39,899	41,000	37	39	76	69	7	6	30	19	49	9	3	43
KIRKCALDY,	39,591	40,200	48	40	88	82	6	9	19	29	48	3	4	49
HAMILTON,	39,420	40,300	42	52	94	92	2	2	21	17	38	2	5	41
KILMARNOCK,	35,911	36,500	31	44	75	70	5	7	28	14	42	12	2	32
AYR,	35,763	36,100	48	43	91	88	3	9	24	20	44	11	0	33
FALKIRK,	33,308	34,500	27	30	57	57	0	8	26	15	41	6	2	37
PERTH,	33,208	33,200	31	32	63	58	5	16	28	29	57	9	3	51
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2674	2545	5219	4860	359	815	1550	1475	3025	284	152	2893

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, MAY 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	26·3	6·7	4·5	15·4	14·8	1·4	1·5	1·0	3·1	231	99
EDINBURGH,	22·6	9·1	5·3	16·5	14·7	1·1	1·3	0·9	1·9	65	84
DUNDEE,	27·2	8·4	2·2	15·5	15·1	0·9	1·7	1·3	2·5	32	89
ABERDEEN,	26·5	9·7	6·1	15·9	15·6	0·7	1·8	1·0	1·8	48	144
PAISLEY,	28·4	5·8	1·4	11·0	11·0	0·7	1·5	0·7	1·1	7	39
GREENOCK,	30·3	6·7	2·2	15·4	15·4	0·4	1·9	1·2	2·9	20	105
MOTHERWELL AND WISHAW,	24·8	2·0	1·8	6·7	8·9	0·3	1·1	1·0	1·6	9	63
CLYDEBANK,	22·7	0·0	1·2	8·2	10·2	0·0	0·7	0·5	2·7	6	65
COATBRIDGE,	26·5	2·0	3·4	10·5	10·8	0·3	1·1	0·8	2·9	7	72
DUNFERMLINE,	21·8	9·2	1·7	14·1	12·3	0·3	1·4	1·1	0·3	6	86
KIRKCALDY,	25·8	6·8	2·6	14·1	14·3	0·3	0·3	0·0	1·5	8	108
HAMILTON,	27·5	2·1	0·6	11·1	12·0	0·6	0·9	0·6	2·0	4	44
KILMARNOCK,	24·2	6·7	2·3	13·5	10·3	0·3	1·0	0·0	1·0	4	53
AYR,	29·7	3·3	2·9	14·4	10·8	0·3	1·3	0·7	1·3	4	55
FALKIRK,	19·4	0·0	2·7	14·0	12·6	0·0	3·4	1·4	1·7	7	101
PERTH,	22·3	7·9	5·7	20·2	18·1	0·0	1·1	1·1	2·8	8	136
TOTAL (SIXTEEN TOWNS)	25·6	6·9	4·0	14·9	14·2	1·0	1·4	0·9	2·5	466	93

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR MAY 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	Deaths from Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).	*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAY 1923, .	**25·6**	**6·9**	**4·0**	**14·2**	**2**	**0**	**56**	**12**	**85**	**15**	**33**	**93**	**46°·7**
MAY 1922, .	27·1	6·8	5·1	16·0	3	0	388	12	82	16	52	111	51°·3
MAY 1921, .	30·0	6·8	6·1	13·8	0	0	21	11	134	33	39	91	51°·0
MAY 1920, .	31·7	7·9	7·5	17·0	2	22	102	10	31	27	53	121	50°·6
MAY 1919, .	20·9	8·5	7·3	13·4	2	0	106	7	120	21	28	106	52°·6
MAY 1918, .	22·6	8·7	5·1	15·8	7	0	140	8	125	28	30	116	52°·6
MAY 1917, .	22·3	8·1	4·9	17·0	3	0	277	16	257	27	43	128	49° 6
MAY 1916, .	27·8	6·9	5·8	15·6	1	0	133	26	56	22	35	110	49°·3
MAY 1915, .	25·9	6·7	6·3	17·9	2	0	235	30	215	31	50	132	48°·3
MAY 1914, .	27·4	6·6	3·4	15·3	5	0	104	21	72	22	42	105	50°·2
MAY 1913, .	27·9	6·6	3·5	16·7	9	0	148	22	169	34	71	116	50°·0

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1–	5–	10–	15–	25–	35–	45–	55–	65–	75–	85–
Enteric Fever	2	1	1	–	–	1	–	–	1	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	56	32	24	15	38	1	1	1	–	–	–	–	–	–	–
Scarlet Fever	12	8	4	–	8	2	1	–	–	1	–	–	–	–	–
Whooping-cough	85	38	47	30	54	1	–	–	–	–	–	–	–	–	–
Diphtheria	15	7	8	1	7	6	–	1	–	–	–	–	–	–	–
Influenza	17	9	8	1	1	–	–	1	2	1	3	4	3	–	1
Encephalitis Lethargica	8	3	5	–	4	–	–	–	1	1	1	1	–	–	–
Cerebro-spinal Meningitis	2	2	–	2	–	–	–	–	–	–	–	–	–	–	–
Other Epidemic Diseases	17	9	8	6	2	3	–	–	1	–	2	–	1	2	–
Tuberculosis of Respiratory System	193	107	86	–	2	2	7	53	48	41	26	12	2	–	–
Tuberculous Meningitis	45	23	22	5	27	6	3	2	1	–	1	–	–	–	–
Tuberculosis of Intestines and Peritoneum	24	10	14	3	5	–	1	8	3	2	2	–	–	–	–
Other Tuberculous Disease	33	23	10	2	9	2	3	8	4	2	1	2	–	–	–
Malignant Tumours	277	123	154	–	2	–	–	3	7	20	44	92	84	22	3
Rheumatic Fever	6	2	4	–	–	1	–	2	1	1	1	–	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	25	12	13	5	15	2	–	2	–	–	1	–	–	–	–
Apoplexy	228	113	115	–	–	1	–	–	2	4	23	56	85	50	7
Heart Disease	266	116	150	1	–	1	1	11	12	17	26	64	75	46	12
Diseases of Arteries	33	21	12	–	–	–	–	–	–	–	2	7	11	11	2
Bronchitis	160	89	71	24	12	2	–	1	1	6	9	24	42	33	6
Pneumonia (all forms)	305	160	145	70	65	8	5	7	9	19	30	32	34	24	2
Other Diseases of Respiratory System	34	20	14	5	2	1	–	–	–	4	5	5	5	6	1
Diarrhœa and Enteritis (under 2 years)	33	17	16	31	2	–	–	–	–	–	–	–	–	–	–
Appendicitis	25	14	11	–	2	6	4	3	2	–	4	2	2	–	–
All Diseases of Liver (not Malignant)	17	8	9	1	–	–	–	–	1	1	4	7	3	–	–
Nephritis, Acute and Chronic	89	48	41	1	–	–	1	3	5	5	20	17	29	7	1
Puerperal Sepsis	13	–	13	–	–	–	–	7	6	–	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	24	–	24	–	–	–	–	3	12	9	–	–	–	–	–
Diseases of Early Infancy and Malform.	197	107	90	196	1	–	–	–	–	–	–	–	–	–	–
Suicide	17	12	5	–	–	–	–	4	3	4	2	4	–	–	–
Other Violent Deaths	98	64	34	7	13	8	2	7	9	7	16	9	8	11	1
Other Defined Diseases	503	246	257	53	21	8	2	20	20	37	56	61	87	99	39
Causes Ill-defined or Unknown	34	20	14	7	2	–	–	–	–	2	5	9	7	2	–
	2893	1464	1429	466	294	62	31	147	151	184	284	408	478	313	75

DEATHS IN EACH TOWN (corrected for Transfers)—May 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	2	1	...	...	1	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	56	38	11	1	3	...	3	...	...
Scarlet Fever	12	7	2	...	1	1	...	...	...
Whooping-cough	85	55	17	8	...	2	...	1	...
Diphtheria	15	6	5	1	...	1	...	...	...
Influenza	17	9	1	1	...	...	1	1	...
Encephalitis Lethargica	8	2	3	...	...	...	...	...	...
Cerebro-spinal Meningitis	2	2	...	...	...	...	...	...	...
Other Epidemic Diseases	17	7	5	...	1	...	...	1	2
Tuberculosis of Respiratory System ...	193	89	33	19	13	5	8	6	2
Tuberculous Meningitis	45	15	8	3	7	3	5	...	...
Tuber. of Intestines and Peritoneum	24	10	4	2	2	2	...	...	1
Other Tuberculous Disease	33	16	3	2	2	1	...	1	...
Malignant Tumours	277	111	65	30	15	5	8	7	2
Rheumatic Fever	6	4	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	25	9	3	2	3	...	2	2	1
Apoplexy	228	96	51	15	16	5	7	7	4
Heart Disease	266	97	64	17	21	13	8	2	6
Diseases of Arteries	33	15	2	3	3	2	1	...	...
Bronchitis	160	88	23	11	10	2	5	3	2
Pneumonia (all forms)	305	173	39	24	11	6	14	5	9
Other Diseases of Respiratory System	34	14	6	3	4	...	1	2	...
Diarrhœa and Enteritis (under 2 years)	33	18	4	3	4	1	...	1	...
Appendicitis	25	13	2	1	3	2	1	...	...
All Diseases of Liver (not Malignant)	17	8	4	2	1	2	...	...	...
Nephritis, Acute and Chronic ...	89	45	22	7	5	1	1	...	...
Puerperal Sepsis	13	5	2	...	3	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	24	17	3	3	...	...	...	...	...
Dis. of Early Infancy and Malformations	197	78	31	14	24	2	8	4	5
Suicide	17	4	10	...	...	...	...	...	...
Other Violent Deaths	98	42	16	14	9	3	2	3	...
Other Defined Diseases	503	200	92	36	48	19	32	6	5
Causes Ill-defined or Unknown ...	34	19	2	4	2	1	...	2	2
All Causes ...	2893	1313	533	226	212	80	107	54	41
AGE AT DEATH.									
Under 1	466	231	65	32	48	7	20	9	6
1– 4	294	161	45	18	16	6	9	5	6
5– 9	62	26	8	4	3	2	5	3	1
10–14	31	12	3	2	4	2	2	2	1
15–24	147	68	21	11	16	6	2	4	3
25–34	151	68	32	14	9	3	7	2	1
35–44	184	92	38	10	8	4	7	3	4
45–54	284	135	56	17	18	7	8	5	5
55–64	408	177	86	37	21	14	14	9	7
65–74	478	184	99	44	35	15	22	8	3
75–84	313	131	64	34	22	11	8	4	4
85 and over	75	28	16	3	12	3	3	...	...
All Ages ...	2893	1313	533	226	212	80	107	54	41

DEATHS IN EACH TOWN (corrected for Transfers) — May 1923 — *continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	1	...	...	...	...
Whooping-cough	1	...	...	1	...	...	...	...
Diphtheria	...	...	1	...	1	...	...	...
Influenza...	...	1	...	...	1	1	...	1
Encephalitis Lethargica	...	2	...	...	1	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	1	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	3	4	...	2	...	2	4	3
Tuberculous Meningitis	...	...	1	...	...	1	2	...
Tuber. of Intestines and Peritoneum ...	...	...	...	...	1	1	1	...
Other Tuberculous Disease	1	1	...	1	2	...	3	...
Malignant Tumours	3	4	7	2	4	5	3	6
Rheumatic Fever	...	...	...	...	1	1	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	2	...	...	...	...	...	...
Apoplexy	4	1	8	4	3	2	3	2
Heart Disease	4	9	2	7	3	6	1	6
Diseases of Arteries	1	1	...	1	1	...	...	3
Bronchitis	3	1	2	3	2	1	...	4
Pneumonia (all forms)	8	...	2	3	1	3	4	3
Other Diseases of Respiratory System	...	...	1	1	...	...	1	1
Diarrhœa and Enteritis (under 2 years)	...	1	...	...	...	1	...	...
Appendicitis	...	1	1	...	...	...	1	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic... ...	...	2	2	1	...	2	...	1
Puerperal Sepsis	...	...	...	...	1	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	...	...	...	...
Dis. of Early Infancy and Malformations	4	4	6	1	3	2	5	6
Suicide	1	...	...	...	...	...	2	...
Other Violent Deaths	1	...	2	4	...	1	...	1
Other Defined Diseases	4	9	13	9	7	4	6	13
Causes Ill-defined or Unknown ...	1	...	...	...	...	...	...	1
All Causes ...	41	43	49	41	32	33	37	51
AGE AT DEATH.								
Under 1	7	6	8	4	4	4	7	8
1– 4	6	2	2	5	5	...	5	3
5– 9	1	2	2	2	1	...	2	...
10–14	1	1	...	1	...	...	...	...
15–24	1	2	1	3	1	3	2	3
25–34	4	4	...	2	2	1	1	1
35–44	...	2	5	1	1	2	4	3
45–54	5	5	2	4	2	3	7	5
55–64	4	7	5	5	4	6	5	7
65–74	10	7	12	10	7	7	3	12
75–84	2	3	10	2	5	4	1	8
85 and over	...	2	2	2	...	3	...	1
All Ages ...	41	43	49	41	32	33	37	51

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MAY 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B).	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	AIR TEMPERATURE. Absolute Maximum and Minimum. Minimum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Depression of Wet Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Vapour Pressure.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	RAIN, AND OTHER FORMS OF PRECIPITATION. Total Fall.	RAIN, AND OTHER FORMS OF PRECIPITATION. Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·361	29·846	51·6	39·4	45·5	−3·0	62	3rd	31	10th	45·2	3·5	·226	75	16	1·54	−0·33	3	10	2	2	1	6	22	13	3
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·644	29·826	53·6	39·1	46·4	−3·0	66	4th	31	10, 11	45·8	1·9	·266	86	16	2·16	+0·07	0	14	0	6	1	20	0	21	0
ABERDEEN,* The Meteorological Office.	90	29·697	29·798	51·6	39·8	45·7	−2·5	68	4th	33	10, 11, 23	45·8	2·5	·253	82	20	4·67	+2·34	13	4	2	2	4	12	8	16	1
PAISLEY, The Coats Observatory.	107	29·739	29·859	55·3	40·9	48·1	−3·5	62	3, 5, 29	34	10th	47·9	3·5	·253	77	16	1·68	−0·81	9	4	6	2	2	10	13	14	2
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·603	29·862	53·0	40·9	47·0	−2·8	62	29th	34	10, 11	47·0	4·0	·233	73	16	3·03	−0·42	2	2	13	1	1	9	24	10	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·802	29·826	55·5	39·4	47·5	−2·3	64	4th	31	10th	..	..	..	..	8	0·77	−1·45	6	5	0	4	2	22	10	13	0
Means	176	29·641	29·836	53·4	39·9	46·7	−2·8	..	..	..	..	46·3	3·1	·246	79	15	2·31	−0·10	5	7	4	3	2	13	13	14	1

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

JUNE 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of June 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4895 living children, of whom 2451 were males and 2444 were females. Compared with the figures of the previous month the male children are 223 fewer, the female children 101 fewer and the total children 324 fewer. Compared with the mean of the numbers of the three previous months the male children are 198 fewer, the female children 69 fewer and the total children 267 fewer. Compared with the number of the corresponding month of last year the male children are 230 fewer, the female children 63 fewer and the total children 293 fewer.

The monthly birth-rate in these burghs taken collectively was 24·8 per thousand. This rate is 0·8 less than that of the previous month, and the same amount less than the mean of those of the three preceding months and is 1·8 less than that of June of last year. In the individual towns the monthly birth-rate varied from 31·1 in Hamilton, 26·7 in Glasgow, 26·3 in Kilmarnock and 25·7 in Falkirk, to 21·6 in Edinburgh, 22·1 in Aberdeen and 22·8 in Greenock. In Perth this rate was 25·6, in Clydebank 25·3, in Ayr 25·0, in Dunfermline, 24·9, in Dundee 24·5, in Paisley 24·2, in Motherwell and Wishaw 23·9, in Kirkcaldy 23·9, and in Coatbridge 23·6.

Of the 4895 children whose births were registered in these towns during the month 4598, or 93·9 per cent., were legitimate, while 297, or 6·1 per cent., were illegitimate. The illegitimate children of the month numbered 62 less than in the previous month, 45 less than the mean of the numbers of the three preceding months, and 72 less than in June of last year. The illegitimate rate of the month is 0·8 less than that of the previous month, 0·5 less than the mean of those of the three preceding months, and 1·0 less than that of June of last year. In the individual towns the illegitimate rate varied from 9·5 per cent. in Ayr, 7·3 in Dundee, and 7·2 in Edinburgh and in Aberdeen, to 1·4 in Falkirk, 1·8 in Paisley, 2·3 in Coatbridge and 3·1 in Clydebank. In Dunfermline this rate was 7·1, in Glasgow 6·4, in Hamilton 5·8, in Kilmarnock 5·1, in Greenock 4·6, in Perth 4·3, in Kirkcaldy 3·8, and in Motherwell and Wishaw 3·5.

Marriages registered in these towns during the month numbered 2304. This number is 1489 more than that of the previous month, 874 more than the mean of those of the three preceding months, and 47 more than that of June of last year. The monthly marriage-rate was 11·7 per thousand. It is 7·7 more than that of the

previous month, 4·6 more than the mean of those of the three preceding months, and 0·1 more than that of the corresponding month of last year. In the individual towns the monthly marriage-rate varied from 18·3 per thousand in Perth, 13·7 in Kilmarnock, 13·5 in Aberdeen and 13·2 in Ayr, to 5·2 in Clydebank, 6·1 in Motherwell and Wishaw, 7·9 in Coatbridge, 8·8 in Hamilton, and 9·7 in Kirkcaldy. In Edinburgh this rate was 12·6, in Glasgow 12·4, in Falkirk 10·9, in Dunfermline 10·4, in Dundee 10·2, in Paisley 9·9 and in Greenock 9·8.

Deaths registered in these towns during the month numbered 2597, 1306 being of males and 1291 of females. Compared with the number in the previous month, that of males is 244 less and that of females 184 less. These 2597 deaths include those of 232 persons with usual residence outwith the town of registration, but exclude those of 165 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 67, falls to be deducted to get the corrected number for the month, which is thus found to be 2530.

The monthly death-rate, based on the corrected number of deaths, is 12·8 per thousand. This rate is 1·4 less than that of the previous month, and 1·6 less than the mean of those of the three preceding months, but is the same as that of June of last year. In the individual towns the monthly death-rate, corrected, ranged from 14·2 in Aberdeen, 14·0 in Glasgow, and 13·3 in Coatbridge and in Kirkcaldy, to 8·0 in Clydebank, 9·7 in Motherwell and Wishaw, and 9·8 in Paisley and in Ayr. In Dundee this rate was 13·1, in Edinburgh 12·2, in Hamilton 12·1, in Falkirk 11·6, in Perth 11·4, in Dunfermline 11·3, in Kilmarnock 11·0, and in Greenock 10·6.

Deaths of children of less than one year old numbered 387. This number is 79 less than in the previous month, 74 less than the mean of the numbers of the three preceding months, and 4 less than in June of last year. These deaths equal an infantile mortality rate of 80 per thousand of the average number of births registered during the preceding twelve months. This rate is 13 less than in the previous month, and 13 less than the mean of those of the three preceding months, but is 5 more than that of June of last year. In the individual towns this rate varied from 135 in Kilmarnock, 122 in Hamilton, and 103 in Dundee, to 11 in Clydebank, 43 in Dunfermline, and 49 in Greenock. In Glasgow this rate was 88, in Motherwell and Wishaw 86, in Aberdeen 79, in Falkirk 77, in Perth 69, in Kirkcaldy 68, in Edinburgh 65, in Paisley 64, in Coatbridge 64, and in Ayr 56.

Deaths from the principal epidemic diseases numbered 162. This number is 41 less than that of the previous month, 52 less than the mean of those of the three preceding months, and 75 less than that of June of last year. These deaths equal a mortality rate of 0·8 per thousand, which rate is 0·2 less than that of the previous month, 0·3 less than the mean of those of the three preceding months, and 0·4 less than that of June of last year. These deaths include 1 from enteric fever, 52 from measles, 17 from scarlet fever, 45 from whooping-cough, 19 from diphtheria, and 28 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from whooping-cough are 40 fewer, from the diarrhœas of childhood 5 fewer, from measles 4 fewer, and from enteric fever 1 fewer, but those from diphtheria are 4 more, and those from scarlet fever are 5 more.

Deaths from influenza numbered 16. In May these deaths numbered 17, in April they numbered 30, and in March they numbered 21.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, in all numbered 379. This number is 120 less than that of the previous month, and 143 less than the mean of those of the three preceding months, but is 66 more than that of June of last year. Of these 379 deaths, 239 were attributed to pneumonia and 118 to bronchitis.

Deaths from all forms of tuberculous disease numbered 293, of which 196 were ascribed to tuberculosis of the respiratory system. The former number is 2 less than that of the previous month, and 7 less than the mean of those of the three preceding months, but is 8 more than that of June of last year. The latter number is 3 more than that of the previous month, and 5 more than that of June of last year, but is 4 less than the mean of those of the three preceding months.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1923.

Mean barometric pressure, 30·026 in.; greater than the average of 1881–1915 by 0·057 in.

Mean temperature, 54°·0; less by 1°·2.

Mean daily range of temperature, 14°·7; less by 0°·9.

Rain, depth in inches, 1·09; less by 1·09 in.

Wind, direction of: a 6 days' excess of winds from N.W.

Hence the month was characterised by a rather high mean pressure; a rather low mean temperature, with a slightly low mean daily range; a low mean rainfall; and a large excess of north-westerly winds.

The anticyclone over the Atlantic which had been the dominant influence in May persisted throughout June, but its centre shifted and lay for the most part off the south-west of Ireland. From 8th to 12th deep depressions moved eastwards beyond the north of Scotland and caused very disturbed conditions.

The first two days were warm or moderately so—in some western districts the 2nd was the warmest day of the month—but from 3rd to 18th very cold conditions prevailed, with frost on ground here and there on two or three nights and some low readings of the screened thermometer (26° at Braemar on night of 14th-15th). During this period the days were conspicuously cold—on 15th at *e.g.* Nairn, the maximum reading was only 50°—but from 18th onwards temperature was at a higher level, especially from 21st to 23rd, and on 28th, when Perth reported a maximum of 80° and Crieff and Stirling 78°. In spite of this recovery the mean for the month was distinctly below the normal—for the third month in succession, with the April–June period colder than in any year since 1879.

Relatively to the normal, aggregate rainfalls showed a very wide range. Thus towards north-west there was a moderate to very large excess, and Loch More, Sutherland, had as much as 11·48 in., representing 310 per cent. of the normal, Glenquoich 190 per cent. and Fort-William 110 per cent. In eastern, central and southern districts, on the other hand, there was a well-marked deficiency; considerable areas had aggregates of less than 1 in., and Crieff only 31 per cent. of the normal. Everywhere totals were largely accounted for by rains between 7th or 8th and 12th, though moderate falls were fairly general on 18th and on 23rd, with as much as 2·09 in. at Loch More on 23rd. Within the dry area especially there were many rainless days, and at some places in the south more than half the month's total was registered on 8th.

On 10th there was a gale of unusual severity for June and stormy conditions were maintained for three or four days. On 14th there was a slight fall of snow on the Cairngorms.

No thunder was reported.

A general deficiency of sunshine was more marked in the west than in the east. At Stornoway (94 hours) the month was the cloudiest June on record, whilst at Edinburgh an aggregate of 167 hours compared with as little as 77 hours in June 1912.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, JUNE 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1147	1135	2282	2136	146	1061	621	608	1229	91	62	1200
EDINBURGH.	420,264	426,000	368	387	755	701	54	440	222	237	459	46	15	428
DUNDEE,	168,315	176,000	169	186	355	329	26	147	100	90	190	9	9	190
ABERDEEN,	158,963	160,200	151	140	291	270	21	178	94	100	194	32	25	187
PAISLEY,	84,837	85,900	89	82	171	168	3	70	33	40	73	6	2	69
GREENOCK,	81,123	81,600	84	69	153	146	7	66	33	39	72	3	2	71
MOTHERWELL AND WISHAW,	68,869	71,700	72	69	141	136	5	36	27	21	48	..	9	57
CLYDEBANK,	46,506	47,200	53	45	98	95	3	20	7	9	16	..	15	31
COATBRIDGE,	43,909	44,800	45	42	87	85	2	29	22	22	44	1	6	49
DUNFERMLINE,	39,899	41,000	38	46	84	78	6	35	26	17	43	6	1	38
KIRKCALDY,	39,591	40,200	31	48	79	76	3	32	23	18	41	1	4	44
HAMILTON,	39,420	40,300	50	53	103	97	6	29	19	21	40	5	5	40
KILMARNOCK,	35,911	36,500	39	40	79	75	4	41	18	19	37	6	2	33
AYR,	35,763	36,100	43	31	74	67	7	39	16	19	35	9	3	29
FALKIRK,	33,308	34,500	40	33	73	72	1	31	23	12	35	6	4	33
PERTH,	33,208	33,200	32	38	70	67	3	50	22	19	41	11	1	31
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2451	2444	4895	4598	297	2304	1306	1291	2597	232	165	2530

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, JUNE 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	26·7	6·4	12·4	14·4	14·0	1·2	1·7	1·3	2·3	197	88
EDINBURGH,	21·6	7·2	12·6	13·1	12·2	0·9	1·2	0·8	1·4	48	65
DUNDEE,	24·5	7·3	10·2	13·1	13·1	0·3	1·9	1·2	1·5	36	103
ABERDEEN,	22·1	7·2	13·5	14·7	14·2	0·2	1·8	0·8	1·3	25	79
PAISLEY,	24·2	1·8	9·9	10·3	9·8	0·1	1·6	1·1	2·0	11	64
GREENOCK,	22·8	4·6	9·8	10·7	10·6	0·7	1·3	0·6	2·5	9	49
MOTHERWELL AND WISHAW,	23·9	3·5	6·1	8·1	9·7	0·3	1·2	1·0	1·7	12	86
CLYDEBANK,	25·3	3·1	5·2	4·1	8·0	0·3	1·3	0·8	1·0	1	11
COATBRIDGE,	23·6	2·3	7·9	11·9	13·3	0·8	2·4	1·1	2·4	6	64
DUNFERMLINE,	24·9	7·1	10·4	12·8	11·3	0·0	0·3	0·3	0·9	3	43
KIRKCALDY,	23·9	3·8	9·7	12·4	13·3	0·6	1·8	0·6	1·8	5	68
HAMILTON,	31·1	5·8	8·8	12·1	12·1	0·9	0·6	0·0	2·4	11	122
KILMARNOCK,	26·3	5·1	13·7	12·3	11·0	0·3	0·3	0·3	2·3	10	135
AYR,	25·0	9·5	13·2	11·8	9·8	0·3	0·0	0·0	2·0	4	56
FALKIRK,	25·7	1·4	10·9	12·3	11·6	0·4	0·0	0·0	2·5	5	77
PERTH,	25·6	4·3	18·3	15·0	11·4	0·0	1·5	1·1	1·5	4	69
TOTAL (SIXTEEN TOWNS)	24·8	6·1	11·7	13·2	12·8	0·8	1·5	1·0	1·9	387	80

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR JUNE 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JUNE 1923, .	**24·8**	**6·1**	**11·7**	**12·8**	**1**	**0**	**52**	**17**	**45**	**19**	**28**	**80**	**54°·0**
JUNE 1922, .	26·6	7·1	11·6	12·8	2	0	121	4	48	15	47	75	54°·3
JUNE 1921, .	29·5	7·5	13·0	12·6	4	0	5	9	96	15	37	76	56°·5
JUNE 1920, .	30·7	9·5	16·6	13·2	2	19	49	8	23	24	54	86	55°·6
JUNE 1919, .	21·9	9·3	16·7	12·1	1	0	75	5	69	11	24	88	55°·4
JUNE 1918, .	20·8	9·5	10·4	11·4	3	0	69	5	60	25	31	81	54°·9
JUNE 1917, .	22·2	8·6	10·1	14·8	1	0	204	6	201	20	34	99	55°·5
JUNE 1916, .	25·6	7·6	10·3	13·3	6	0	90	24	29	28	44	82	52°·8
JUNE 1915, .	25·6	6·9	14·6	17·3	1	0	356	38	113	23	64	117	55°·8
JUNE 1914, .	30·0	7·5	14·2	15·3	6	0	60	24	74	22	61	109	56°·8
JUNE 1913, .	28·1	7·3	13·1	15·0	5	0	150	20	101	27	45	96	55°·7

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1–	5–	10–	15–	25–	35–	45–	55–	65–	75–	85–
Enteric Fever	1	1	–	–	–	–	1	–	–	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	52	22	30	17	34	1	–	–	–	–	–	–	–	–	–
Scarlet Fever	17	8	9	–	8	7	2	–	–	–	–	–	–	–	–
Whooping-cough	45	15	30	24	19	2	–	–	–	–	–	–	–	–	–
Diphtheria	19	7	12	2	8	6	2	–	1	–	–	–	–	–	–
Influenza	16	6	10	–	–	–	–	2	1	3	2	3	4	1	–
Encephalitis Lethargica	3	2	1	–	–	1	1	–	–	1	–	–	–	–	–
Cerebro-spinal Meningitis	2	2	–	–	1	–	1	–	–	–	–	–	–	–	–
Other Epidemic Diseases	14	10	4	4	1	1	–	1	–	–	3	1	1	2	–
Tuberculosis of Respiratory System	196	115	81	3	4	2	6	56	38	36	31	14	5	1	–
Tuberculous Meningitis	45	26	19	10	13	8	5	7	2	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	29	16	13	5	14	5	1	1	2	–	1	–	–	–	–
Other Tuberculous Disease	23	15	8	–	5	2	3	4	1	2	3	2	1	–	–
Malignant Tumours	269	130	139	–	–	–	1	2	3	10	57	76	87	31	2
Rheumatic Fever	12	3	9	–	–	2	–	2	–	7	1	–	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	17	9	8	6	5	1	1	1	2	1	–	–	–	–	–
Apoplexy	214	86	128	–	–	–	–	1	–	4	12	38	80	70	9
Heart Disease	245	110	135	–	–	1	3	6	13	16	35	45	70	47	9
Diseases of Arteries	45	25	20	–	–	–	–	–	–	2	5	9	15	12	2
Bronchitis	118	56	62	8	11	2	–	–	3	2	10	22	29	23	8
Pneumonia (all forms)	239	145	94	66	49	3	–	4	12	17	24	32	21	11	–
Other Diseases of Respiratory System	22	13	9	3	2	1	–	–	–	2	2	6	5	1	–
Diarrhœa and Enteritis (under 2 years)	28	21	7	24	4	–	–	–	–	–	–	–	–	–	–
Appendicitis	26	14	12	–	2	1	3	7	1	4	4	2	–	2	–
All Diseases of Liver (not Malignant)	17	8	9	1	–	–	–	2	–	1	4	5	2	1	1
Nephritis, Acute and Chronic	72	43	29	1	–	–	–	4	4	7	14	22	13	5	2
Puerperal Sepsis	9	–	9	–	–	–	–	1	5	2	1	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	15	–	15	–	–	–	–	3	7	5	–	–	–	–	–
Diseases of Early Infancy and Malform.	171	86	85	169	1	1	–	–	–	–	–	–	–	–	–
Suicide	17	13	4	–	–	–	–	2	–	2	11	2	–	–	–
Other Violent Deaths	80	49	31	4	11	3	3	11	10	6	7	10	6	8	1
Other Defined Diseases	416	203	213	37	19	3	3	13	23	35	37	50	85	81	30
Causes Ill-defined or Unknown	36	22	14	3	4	–	–	–	–	5	7	2	10	4	1
	2530	1281	1249	387	215	53	36	130	128	170	271	341	434	300	65

DEATHS IN EACH TOWN (corrected for Transfers)—June 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	1	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	52	39	8	...	...	...	3	...	...
Scarlet Fever	17	8	6	1	...	...	1	...	1
Whooping-cough	45	28	7	1	...	1	...	2	...
Diphtheria	19	7	9	1	2	...	...	...	...
Influenza	16	7	2	1	...	...	...	...	...
Encephalitis Lethargica	3	2	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	2	2	...	...	...	...	...	...	...
Other Epidemic Diseases	14	5	5	2	...	...	...	...	...
Tuberculosis of Respiratory System ...	196	108	27	18	11	8	4	6	3
Tuberculous Meningitis	45	16	11	4	7	3	1	...	...
Tuber. of Intestines and Peritoneum	29	15	1	1	4	...	1	1	1
Other Tuberculous Disease	23	5	4	4	2	...	3	...	1
Malignant Tumours	269	111	52	19	32	5	5	6	2
Rheumatic Fever	12	4	3	2	...	...	1	...	...
Meningitis (not Cerebro-spinal or Tuber.)	17	6	2	1	1	...	1	1	...
Apoplexy	214	103	38	22	15	3	6	3	2
Heart Disease	245	98	49	22	19	8	5	7	5
Diseases of Arteries	45	15	11	3	3	1	...	1	...
Bronchitis	118	56	16	5	6	2	6	3	2
Pneumonia (all forms)	235	132	28	13	10	11	11	6	2
Other Diseases of Respiratory System	22	10	4	3	1	1	...	1	...
Diarrhœa and Enteritis (under 2 years)	28	21	1	1	1	...	1	...	...
Appendicitis	26	12	2	1	5	1	1	...	2
All Diseases of Liver (not Malignant)	17	8	5	1	...	1	...	...	...
Nephritis, Acute and Chronic ...	72	36	10	4	6	1	1	...	2
Puerperal Sepsis	9	5	1	1	...	1	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	15	7	2	...	1	...	1	1	...
Dis. of Early Infancy and Malformations	171	79	25	22	16	4	2	6	...
Suicide	17	8	5	2	...	1	...	...	...
Other Violent Deaths	80	30	24	6	9	...	2	3	1
Other Defined Diseases	416	198	66	25	36	16	14	9	5
Causes Ill-defined or Unknown ...	36	18	3	4	...	1	...	1	2
All Causes ...	2530	1200	428	190	187	69	71	57	31
AGE AT DEATH.									
Under 1	387	197	48	36	25	11	9	12	1
1– 4	215	113	29	11	13	7	12	7	1
5– 9	93	23	13	4	4	...	3	2	2
10–14	36	18	11	2	2	...	...	...	2
15–24	130	67	20	9	7	7	4	...	2
25–34	128	57	26	12	11	5	3	1	...
35–44	170	90	30	8	8	6	2	2	7
45–54	271	135	46	16	13	3	7	10	4
55–64	341	166	55	27	17	7	6	10	6
65–74	434	197	68	40	37	10	17	8	4
75–84	300	118	68	20	36	10	6	4	...
85 and over	65	19	14	5	8	3	2	1	2
All Ages ...	2530	1200	428	190	187	69	71	57	31

DEATHS IN EACH TOWN (corrected for Transfers) — June 1923 — *continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	2	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...
Whooping-cough	2	...	...	2	...	1	1	...
Diphtheria	...	...	...	...	...	...	...	...
Influenza...	...	...	...	2	1	2	...	1
Encephalitis Lethargica	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	1	...	...	...	1	...
Tuberculosis of Respiratory System ...	4	1	2	...	1	...	...	3
Tuberculous Meningitis	2	...	...	1	...	...	...	...
Tuber. of Intestines and Peritoneum ...	3	...	2	...	...	...	...	...
Other Tuberculous Disease	...	...	2	1	...	...	...	1
Malignant Tumours	4	7	3	3	5	4	5	6
Rheumatic Fever	...	1	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	2	1	...	...	1	...	1	...
Apoplexy	2	4	6	4	2	2	...	2
Heart Disease	6	6	6	4	1	3	3	3
Diseases of Arteries	2	1	...	...	4	2	...	2
Bronchitis	4	...	5	4	4	1	2	2
Pneumonia (all forms)	5	2	1	4	2	5	5	2
Other Diseases of Respiratory System	...	1	...	...	1	...	...	...
Diarrhœa and Enteritis (under 2 years)	1	...	...	1	1	...	...	...
Appendicitis	...	1	1	...	...	...	...	...
All Diseases of Liver (not Malignant)	1	...	...	...	...	...	1	...
Nephritis, Acute and Chronic... ...	1	4	2	1	3	...	1	...
Puerperal Sepsis	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	1	...	2	...	...	...	...
Dis. of Early Infancy and Malformations	...	2	3	2	4	2	1	3
Suicide	...	...	...	...	1	...	...	...
Other Violent Deaths	...	...	2	...	...	2	1	...
Other Defined Diseases	8	6	5	7	2	4	10	5
Causes Ill-defined or Unknown ...	2	...	1	2	...	1	...	1
All Causes ...	49	38	44	40	33	29	33	31
AGE AT DEATH.								
Under 1	6	3	5	11	10	4	5	4
1– 4	10	2	3	2	...	2	3	...
5– 9	...	1	1	...	...	...	...	...
10–14	...	...	1	...	...	...	...	...
15–24	2	1	2	3	3	3	...	...
25–34	2	...	3	1	...	3	3	1
35–44	2	3	2	4	1	...	3	2
45–54	7	5	3	4	3	2	2	5
55–64	7	8	9	2	6	3	8	4
65–74	8	7	7	7	6	7	5	6
75–84	4	6	7	4	4	4	2	7
85 and over	1	2	1	2	...	1	2	2
All Ages ...	49	38	44	40	33	29	33	31

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH, During the Month of JUNE 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	AIR TEMPERATURE. Absolute Maximum and Minimum. Minimum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Depression of Wet Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Vapour Pressure.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	RAIN, AND OTHER FORMS OF PRECIPITATION. Total Fall.	RAIN, AND OTHER FORMS OF PRECIPITATION. Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·555	30·034	60·5	45·6	53·1	−0·9	72	28*th*	39	15, 16	52·2	3·7	·297	76	13	1·06	−0·79	2	2	3	2	0	6	25	9	11
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·833	30·012	62·6	45·3	54·0	−1·4	75	18*th*	36	15*th*	53·0	2·5	·335	83	13	0·86	−0·94	0	6	0	8	0	18	1	27	0
ABERDEEN,* The Meteorological Office.	90	29·882	29·983	59·0	46·5	52·8	−0·7	73	23*rd*	37	15*th*	52·5	4·0	294	74	17	0·88	−0·83	6	2	0	1	3	8	8	27	5
PAISLEY, The Coats Observatory.	107	29·929	30·047	62·5	47·6	55·1	−2·2	74	2*nd*	39	17*th*	54·3	3·9	·318	75	9	1·18	−1·30	1	0	0	1	1	7	27	16	7
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·802	30·058	58·5	48·1	53·3	−2·2	68	2*nd*	41	15*th*	52·8	3·5	·309	77	12	1·86	−1·44	0	0	3	2	0	5	40	10	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·995	30·019	64·5	46·4	55·5	−0·2	80	28*th*	36	5, 26	..	..	..	..	8	0·71	−1·26	7	0	0	6	2	18	10	17	0
Means	176	29·833	30·026	61·3	46·6	54·0	−1·2	..	..	..	..	53·0	3·5	·311	77	12	1·09	−1·09	3	2	1	3	1	10	18	18	4

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

JULY 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of July 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4930 living children, of whom 2468 were males and 2462 were females. Compared with the number in the previous month that of male children is 17 more and of female children 18 more, but compared with the mean of the numbers of the three preceding months that of male children is 129 less and of female children 48 less, and compared with the number in July of last year that of male children is 175 less, while that of female children is 37 more. The total number of children registered during the month is 35 more than in the previous month, but is 177 less than the mean of the numbers of the three preceding months and 138 less than that of July of last year.

The monthly birth-rate in these burghs taken collectively was 24·2. This rate is 0·6 less than that of the previous month, 1·4 less than the mean of those of the three preceding months and 1·0 less than that of July of last year. In the individual towns the monthly birth-rate ranged from 27·0 in Coatbridge, 26·4 in Ayr, 25·7 in Greenock, 25·6 in Falkirk and 25·5 in Glasgow, to 17·9 in Kirkcaldy, 20·4 in Dunfermline and 20·6 in Perth. In Aberdeen this rate was 25·4, in Hamilton 25·4, in Dundee 24·3, in Paisley 24·1, in Motherwell and Wishaw 23·2, in Clydebank 21·7, in Edinburgh 21·6, and in Kilmarnock 21·6.

Of the 4930 children whose births were registered in these towns during the month 4572, or 92·7 per cent., were legitimate, while 358, or 7·3 per cent., were illegitimate. The legitimate children of the month numbered 26 less than in the previous month, 210 less than the mean of the numbers of the three preceding months, and 163 less than in July of last year. The illegitimate children of the month numbered 61 more than in the previous month, 32 more than the mean of the numbers of the three preceding months, and 25 more than in July of last year. The illegitimate rate of the month was 1·2 more than that of the previous month, 0·9 more than the mean of those of the three preceding months, and 0·7 more than that of July of last year. In the individual towns the illegitimate rate of the month varied from 10·7 per cent. in Falkirk, 9·9 in Dunfermline, 9·9 in Ayr, 9·6 in Dundee and 9·0 in Edinburgh, to 1·1 in Clydebank, 3·3 in Kirkcaldy, and 4·0 in Paisley. In Aberdeen this rate was 7·8, in Kilmarnock 7·5, in Glasgow 7·0, in Coatbridge 6·8, in Motherwell and Wishaw 5·7, in Perth 5·2, in Hamilton 4·6, and in Greenock 4·5.

Marriages registered in these towns during the month numbered 2784. This number is 480 more than that of the previous month, 1009 more than the mean of those of the three preceding months, and 233 more than that of July of last year. The monthly marriage-rate was 13·7 per thousand. It is 2·0 more than that of the previous month, 4·7 more than the mean of those of the three preceding months, and 1·0 more than that of July of last year. In the individual towns this

rate varied from 15·8 in Edinburgh, 14·6 in Dundee, and 14·5 in Glasgow, to 8·2 in Ayr, 8·9 in Dunfermline, 9·2 in Coatbridge, and 9·4 in Greenock. In Falkirk this rate was 14·3, in Kirkcaldy 14·1, in Hamilton 13·4, in Aberdeen 12·4, in Paisley 12·1, in Perth 11·7, in Kilmarnock 11·3, in Motherwell and Wishaw 9·9, and in Clydebank 9·5.

Deaths registered in these towns during the month numbered 2340, 1178 being of males and 1162 of females. Compared with the number registered in the previous month, that of males is 128 less and that of females is 129 less. Compared with the number in July of last year that of males is 57 less, but that of females is 53 more. These 2340 deaths include those of 228 persons with usual residence outwith the town of registration, but exclude those of 181 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 47, falls to be deducted to get the corrected number, which is thus found to be 2293.

The monthly death-rate, based on the corrected number of deaths, was 11·3 per thousand. This death-rate is 1·5 less than that of the previous month, 2·5 less than the mean of those of the three preceding months, and 0·1 less than that of July of last year. In the individual towns the monthly death-rate, corrected, varied from 12·9 in Aberdeen, 12·1 in Glasgow, and 12·0 in Kirkcaldy, to 7·2 in Dunfermline, 7·5 in Clydebank, and 8·5 in Perth. In Coatbridge the monthly death-rate was 11·3, in Edinburgh 11·2, in Greenock 11·1, in Dundee 11·0, in Hamilton 10·5, in Ayr 9·8, in Kilmarnock 9·4, in Falkirk 8·9, in Paisley 8·8, and in Motherwell and Wishaw 8·7.

Deaths of children of less than one year old numbered 325. This number is 62 less than that of the previous month, 108 less than the mean of those of the three preceding months, and 8 less than that of July of last year. These deaths equal an infantile mortality rate of 65 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 15 less than that of the previous month, and 23 less than the mean of those of the three preceding months, but is 3 more than that of July of last year. In the individual towns the infantile mortality rate of the month varied from 95 in Aberdeen, 80 in Kilmarnock, and 76 in Glasgow, to 22 in Hamilton, 27 in Ayr, and 33 in Clydebank. In Perth this rate was 68, in Dundee 64, in Coatbridge 61, in Greenock 59, in Falkirk 59, in Edinburgh 48, in Paisley 45, in Motherwell and Wishaw 42, in Dunfermline 41, and in Kirkcaldy 41.

Deaths from the principal epidemic diseases numbered 138, which number is 24 less than that of the previous month, 63 less than the mean of those of the three preceding months, and 39 less than that of July of last year. These deaths equal a principal epidemic diseases death-rate of 0·7 per thousand, which rate is 0·1 less than that of the previous month, 0·3 less than the mean of those of the three preceding months, and 0·2 less than that of July of last year. These 138 deaths include 2 from enteric fever, 30 from measles, 12 from scarlet fever, 35 from whooping-cough, 15 from diphtheria, and 44 from diarrhœas of childhood. Compared with the number in the previous month, deaths from the diarrhœas of childhood numbered 16 more, and those from enteric fever 1 more, but those from diphtheria are 4 fewer, from scarlet fever 5 fewer, from whooping-cough 10 fewer, and from measles 22 fewer.

Deaths from influenza numbered 7. In June these deaths numbered 16, in May 17 and in April 30.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, in all numbered 278, and include 172 from pneumonia and 80 from bronchitis. These deaths collectively numbered 101 less than in the previous month, and 179 less than the mean of the numbers of the three preceding months, but 12 more than in July of last year.

Deaths from all forms of tuberculous disease numbered 254, of which 163 were attributed to tuberculosis of the respiratory system. The former number is 39 less than in the previous month, 45 less than the mean of the three preceding months, and 4 less than that of July of last year. The latter number is 33 less than in the previous month, 35 less than the mean of those of the three preceding months, and 16 less than in July of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1923.

Mean barometric pressure, 29·856 in.; less than the average of 1881–1915 by 0·044 in.

Mean temperature, 59°·8; greater by 1°·9.

Mean daily range of temperature, 13°·0; less by 1°·7.

Rain, depth in inches, 3·04; greater by 0·06 in.

Wind, direction of: a 4 days' excess of south-westerly winds.

Hence the month was characterised by a slightly low mean pressure; a rather high mean temperature, with a low mean daily range; a mean rainfall practically equal to the normal; and an excess of south-westerly winds.

From about 7th to 10th shallow depressions skirting an anticyclone which lay to the south of England caused wide-spread thunderstorms; about the middle of the month Icelandic depressions made their influence felt; and, later, disturbances from the Atlantic spread over the British Isles.

After moderate temperatures for the first day or two there was a spell of very warm weather lasting until 12th or 13th, with highest readings in many districts on 6th (86° at Kilmarnock and Ruthwell), but, in east, as a rule, on 12th (81° at Aberdeen). Thereafter temperature was for the most part moderate, though rather high from 19th to 22nd, and the last few days were cold for midsummer. Lowest readings occurred on 4th or 5th (38° at Braemar), 18th or 27th; but at *e.g.* Greenock and Oban temperature did not fall below 49° during the month whilst at Renfrew on the nights of both 5th and 6th the minimum was as high as 60°.

Moderate rains during the first three or four days were followed by some heavy falls during short periods in thunderstorms on 7th and 8th and less heavy falls on 10th or 11th. After three or four dry days conditions became unsettled on 15th with rain on every day thereafter in most western districts. The period from 19th to 22nd was especially wet in the west, with heavy falls on 22nd—as much as 2·48 in. at Arrochar. On 31st, during a very local thunderstorm, Rothiemurchus had as much as 2·93 in. In many eastern districts aggregates were somewhat below the normal, but in west and south there was a decided excess. At Fort William the month, with 8·63 in. or 179 per cent. of the normal, was the wettest July since 1881.

Thunderstorms occurred in the Hebrides on night of 6th; very widely on the afternoon or evening of 7th; in the Spey valley and north-east on 8th; sporadically from 10th to 12th; and here and there on 30th and 31st. On the afternoon of 8th at Carrbridge 1·64 in. fell in two hours, and very heavy falls on the neighbouring mountains caused violent flooding. Several bridges were carried away and a considerable stretch of the permanent way of the Highland Railway destroyed. During a similarly disastrous thunderstorm at Carrbridge on 18th June 1914 the damage was less extensive.

There were some very sunny days, notably 12th and 13th, but in general sunshine aggregates hardly reached the normal.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, JULY 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1131	1125	2256	2098	158	1281	557	531	1088	98	80	1070
EDINBURGH,	420,264	426,000	393	388	781	711	70	570	230	214	444	60	21	405
DUNDEE,	168,315	176,000	185	178	363	328	35	218	79	88	167	6	4	165
ABERDEEN,	158,963	160,200	166	179	345	318	27	169	88	95	183	20	12	175
PAISLEY,	84,837	85,900	85	91	176	169	7	88	37	36	73	9	0	64
GREENOCK,	81,123	81,600	93	85	178	170	8	65	39	37	76	4	5	77
MOTHERWELL AND WISHAW,	68,869	71,700	81	60	141	133	8	60	24	20	44	1	10	53
CLYDEBANK,	46,506	47,200	44	43	87	86	1	38	6	19	25	2	7	30
COATBRIDGE,	43,909	44,800	48	55	103	96	7	35	18	14	32	0	11	43
DUNFERMLINE,	39,899	41,000	33	38	71	64	7	31	11	18	29	7	3	25
KIRKCALDY,	39,591	40,200	28	33	61	59	2	48	19	17	36	1	6	41
HAMILTON,	39,420	40,300	40	47	87	83	4	46	12	13	25	0	11	36
KILMARNOCK,	35,911	36,500	34	33	67	62	5	35	15	18	33	7	3	29
AYR,	35,763	36,100	41	40	81	73	8	25	13	18	31	4	3	30
FALKIRK,	33,308	34,500	40	35	75	67	8	42	14	8	22	0	4	26
PERTH,	33,208	33,200	26	32	58	55	3	33	16	16	32	9	1	24
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2468	2462	4930	4572	358	2784	1178	1162	2340	228	181	2293

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, JULY 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	25·5	7·0	14·5	12·3	12·1	0·9	1·4	0·9	1·8	176	76
EDINBURGH,	21·6	9·0	15·8	12·3	11·2	0·9	1·3	0·9	1·0	37	48
DUNDEE,	24·3	9·6	14·6	11·2	11·0	0·4	1·5	0·9	1·1	23	64
ABERDEEN,	25·4	7·8	12·4	13·5	12·9	0·4	1·0	0·7	1·0	31	95
PAISLEY,	24·1	4·0	12·1	10·0	8·8	0·3	0·7	0·5	0·5	8	45
GREENOCK,	25·7	4·5	9·4	11·0	11·1	0·1	2·2	1·2	1·3	11	59
MOTHERWELL AND WISHAW,	23·2	5·7	9·9	7·2	8·7	0·5	1·1	0·7	1·1	6	42
CLYDEBANK,	21·7	1·1	9·5	6·2	7·5	0·0	1·2	0·5	0·7	3	33
COATBRIDGE,	27·0	6·8	9·2	8·4	11·3	0·8	1·1	1·1	1·1	6	61
DUNFERMLINE,	20·4	9·9	8·9	8·3	7·2	0·3	0·9	0·6	0·6	3	41
KIRKCALDY,	17·9	3·3	14·1	10·5	12·0	0·3	0·3	0·3	2·0	3	41
HAMILTON,	25·4	4·6	13·4	7·3	10·5	0·3	0·9	0·9	1·5	2	22
KILMARNOCK,	21·6	7·5	11·3	10·6	9·4	0·3	1·0	0·3	0·6	6	80
AYR,	26·4	9·9	8·2	10·1	9·8	0·0	0·0	0·0	2·3	2	27
FALKIRK,	25·6	10·7	14·3	7·5	8·9	0·3	0·3	0·0	1·4	4	59
PERTH,	20·6	5·2	11·7	11·3	8·5	0·4	0·7	0·4	0·4	4	68
TOTAL (SIXTEEN TOWNS)	24·2	7·3	13·7	11·5	11·3	0·7	1·2	0·8	1·4	325	65

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR JULY 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JULY 1923, .	**24·2**	**7·3**	**13·7**	**11·3**	**2**	**0**	**30**	**12**	**35**	**15**	**44**	**65**	**59°·8**
JULY 1922, .	25·2	6·6	12·7	11·4	1	0	63	6	39	18	50	62	55°·2
JULY 1921, .	26·0	7·3	12·6	11·2	5	0	6	16	52	17	88	70	60°·5
JULY 1920, .	28·7	7·8	17·8	12·1	5	30	19	7	15	15	59	71	55°·8
JULY 1919, .	21·3	8·9	16·8	11·1	3	0	48	4	53	20	32	78	57°·0
JULY 1918, .	22·1	9·5	12·3	15·7	10	0	44	9	72	27	42	85	57°·8
JULY 1917, .	21·1	8·1	10·4	13·2	2	0	121	9	141	14	42	83	59°·1
JULY 1916, .	24·2	7·1	9·9	12·2	6	0	66	26	25	20	46	72	58°·0
JULY 1915, .	23·6	6·2	14·0	14·4	4	0	229	46	62	34	78	100	57°·3
JULY 1914, .	27·7	6·2	12·8	13·3	9	0	41	21	49	15	86	91	58°·9
JULY 1913, .	27·0	6·8	13·6	13·9	3	0	109	19	62	18	81	86	58°·3

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	2	–	2	–	–	–	–	1	1	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	30	13	17	3	26	1	–	–	–	–	–	–	–	–	–
Scarlet Fever	12	3	9	–	9	1	2	–	–	–	–	–	–	–	–
Whooping-cough	35	16	19	14	20	1	–	–	–	–	–	–	–	–	–
Diphtheria	15	8	7	2	4	7	1	–	1	–	–	–	–	–	–
Influenza	7	4	3	1	–	–	–	–	–	–	–	2	3	1	–
Encephalitis Lethargica	5	–	5	1	–	1	2	–	–	–	1	–	–	–	–
Cerebro-spinal Meningitis	6	4	2	1	2	–	–	2	–	1	–	–	–	–	–
Other Epidemic Diseases	10	3	7	2	1	1	–	–	–	1	2	1	2	–	–
Tuberculosis of Respiratory System	163	92	71	2	2	2	6	37	38	32	24	11	8	1	–
Tuberculous Meningitis	36	23	13	4	24	5	1	2	–	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	34	16	18	5	9	5	3	6	1	1	3	1	–	–	–
Other Tuberculous Disease	21	9	12	2	5	3	1	3	3	2	1	1	–	–	–
Malignant Tumours	246	97	149	–	1	–	–	–	5	17	48	71	73	28	3
Rheumatic Fever	6	1	5	–	–	1	–	–	2	–	–	2	1	–	–
Meningitis (not Cer.-spin. or Tuberc.)	18	8	10	4	5	4	1	1	1	–	1	1	–	–	–
Apoplexy	184	92	92	–	1	–	–	–	2	5	18	45	72	32	9
Heart Disease	256	118	138	–	1	3	5	7	15	17	20	63	74	40	11
Diseases of Arteries	30	20	10	–	–	–	–	–	–	1	5	4	12	7	1
Bronchitis	80	39	41	5	4	1	–	1	–	4	8	11	24	18	4
Pneumonia (all forms)	172	104	68	29	37	3	1	3	9	24	23	20	17	6	–
Other Diseases of Respiratory System	26	19	7	4	4	–	1	–	–	2	3	5	3	2	2
Diarrhœa and Enteritis (under 2 years)	44	23	21	40	4	–	–	–	–	–	–	–	–	–	–
Appendicitis	23	13	10	–	3	6	4	3	1	3	2	1	–	–	–
All Diseases of Liver (not Malignant)	21	8	13	1	–	–	–	–	2	1	1	10	5	1	–
Nephritis, Acute and Chronic	70	35	35	–	2	–	–	2	2	6	13	18	20	6	1
Puerperal Sepsis	13	–	13	–	–	–	–	5	5	3	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	23	–	23	–	–	–	–	5	12	5	1	–	–	–	–
Diseases of Early Infancy and Malform.	169	90	79	167	2	–	–	–	–	–	–	–	–	–	–
Suicide	19	11	8	–	–	–	–	1	2	4	6	5	1	–	–
Other Violent Deaths	100	79	21	3	20	6	2	10	9	5	16	18	7	4	–
Other Defined Diseases	379	199	180	30	21	6	6	12	20	26	45	60	56	71	26
Causes Ill-defined or Unknown	38	19	19	5	1	–	1	–	1	2	7	11	6	4	–
	2293	1166	1127	325	208	57	37	101	132	162	248	361	384	221	57

DEATHS IN EACH TOWN (corrected for Transfers)—July 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	2	1	...	...	1	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	30	15	13	...	1	...	1	...	...
Scarlet Fever	12	4	7	...	...	...	...	1	...
Whooping-cough	35	22	7	4	...	...	...	...	...
Diphtheria	15	10	1	1	...	1	...	...	...
Influenza	7	...	1	...	...	1	3	...	...
Encephalitis Lethargica	5	1	...	...	1	...	1	1	...
Cerebro-spinal Meningitis	6	6	...	...	...	...	...	...	...
Other Epidemic Diseases	10	6	...	1	1	...	...	...	...
Tuberculosis of Respiratory System ...	163	80	31	13	9	4	8	4	2
Tuberculous Meningitis	36	19	2	3	2	...	4	2	2
Tuber. of Intestines and Peritoneum	34	17	5	4	2	...	2	1	1
Other Tuberculous Disease	21	7	8	2	1	1	1	...	...
Malignant Tumours	246	103	42	20	23	6	7	11	6
Rheumatic Fever	6	3	2	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	18	12	4	1	...	...	...	...	...
Apoplexy	184	77	36	11	11	9	10	3	1
Heart Disease	256	101	55	23	24	11	6	5	5
Diseases of Arteries	30	16	6	4	3	...	...	...	...
Bronchitis	80	45	13	5	4	1	2	1	1
Pneumonia (all forms)	172	100	19	11	8	2	5	5	2
Other Diseases of Respiratory System	26	12	5	...	1	1	2	1	...
Diarrhœa and Enteritis (under 2 years)	44	26	5	1	4	1	...	2	...
Appendicitis	23	7	8	1	...	...	2	...	...
All Diseases of Liver (not Malignant)	21	6	6	2	4	1	...	...	...
Nephritis, Acute and Chronic ...	70	36	11	2	7	1	...	1	1
Puerperal Sepsis	13	7	3	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	23	9	5	2	1	2	2	...	...
Dis. of Early Infancy and Malformations	169	80	19	16	22	7	5	2	3
Suicide	19	9	4	2	3	...	...	...	...
Other Violent Deaths	100	46	14	11	10	3	2	5	1
Other Defined Diseases	379	158	73	23	30	12	12	7	5
Causes Ill-defined or Unknown ...	38	29	...	2	2	...	2	...	...
All Causes ...	2293	1070	405	165	175	64	77	53	30
AGE AT DEATH.									
Under 1	325	176	37	23	31	8	11	6	3
1– 4	208	110	37	14	13	6	7	7	1
5– 9	57	32	7	5	...	1	1	2	2
10–14	37	17	8	3	...	...	5	3	...
15–24	101	62	9	6	7	1	4	2	1
25–34	132	62	25	5	6	8	2	5	3
35–44	162	82	30	8	6	3	7	3	...
45–54	248	119	46	18	20	6	9	4	4
55–64	361	145	71	30	29	9	10	13	8
65–74	384	178	66	28	33	16	12	3	4
75–84	221	73	54	19	22	5	7	4	3
85 and over	57	14	15	6	8	1	2	1	1
All Ages ...	2293	1070	405	165	175	64	77	53	30

DEATHS IN EACH TOWN (corrected for Transfers) — July 1923 — *continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...
Whooping-cough	1	...	...	...	...	...	1	...
Diphtheria	...	1	...	1	...	...	...	...
Influenza...	...	...	1	...	...	...	...	1
Encephalitis Lethargica	...	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	1	...	...	1	...
Tuberculosis of Respiratory System ...	4	2	1	3	1	...	...	1
Tuberculous Meningitis	...	...	...	...	1	...	...	1
Tuber. of Intestines and Peritoneum ...	...	1	...	...	1	...	...	...
Other Tuberculous Disease	...	...	...	...	...	...	1	...
Malignant Tumours	4	4	4	3	4	3	5	1
Rheumatic Fever	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	...	...	...	1
Apoplexy	4	1	6	3	4	2	2	4
Heart Disease	4	4	5	6	2	2	1	2
Diseases of Arteries	1	...	...	...	...	...	...	...
Bronchitis	...	...	4	1	...	3	...	...
Pneumonia (all forms)	4	1	2	2	2	4	4	1
Other Diseases of Respiratory System	...	1	1	2	...	...	...	...
Diarrhœa and Enteritis (under 2 years)	2	...	1	...	1	...	...	1
Appendicitis	1	2	...	...	1	1	...	...
All Diseases of Liver (not Malignant)	...	...	...	1	...	...	...	1
Nephritis, Acute and Chronic... ...	3	...	1	...	...	3	2	2
Puerperal Sepsis	1	...	...	...	1	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	1	...	...	...
Dis. of Early Infancy and Malformations	2	...	1	2	5	1	3	1
Suicide	...	1	...	...	...	...	...	...
Other Violent Deaths	1	...	2	1	...	2	...	2
Other Defined Diseases	11	7	10	10	3	9	5	4
Causes Ill-defined or Unknown ...	...	...	...	...	2	...	1	...
All Causes ...	43	25	41	36	29	30	26	24
AGE AT DEATH.								
Under 1	6	3	3	2	6	2	4	4
1– 4	4	1	2	1	1	1	2	1
5– 9	1	2	1	1	1	...	...	1
10–14	1	...	...	...	...	...	...	...
15–24	2	1	2	...	3	...	...	1
25–34	6	1	2	3	2	2	...	...
35–44	3	7	2	3	2	...	3	3
45–54	6	1	7	5	...	1	2	...
55–64	8	3	5	7	4	7	6	6
65–74	4	3	11	5	6	5	6	4
75–84	1	2	5	7	4	9	2	4
85 and over	1	1	1	2	...	3	1	...
All Ages ...	43	25	41	36	29	30	26	24

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JULY 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average, 1881–1916.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·397	29·866	65·1	52·9	59·0	+2·1	78	12*th*	46	27*th*	58·0	3·3	·385	80	20	2·85	+0·22	0	2	2	1	6	12	22	1	16
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·669	29·846	67·4	52·8	60·1	+1·7	81	12*th*	47	18*th*	58·8	2·5	·419	85	18	3·02	+0·28	0	5	0	20	0	21	8	8	0
ABERDEEN,* The Meteorological Office.	90	29·733	29·831	65·3	52·2	58·8	+2·2	81	12*th*	47	4*th*	58·5	3·4	·389	79	17	2·02	−0·79	1	6	4	9	9	13	6	8	6
PAISLEY, The Coats Observatory.	107	29·744	29·866	67·2	54·3	60·8	+1·5	83	6*th*	48	27*th*	59·5	3·1	·413	81	22	3·31	+0·45	0	4	6	1	4	17	13	5	12
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·624	29·876	64·6	54·2	59·4	+1·8	79	6*th*	49	27*th*	58·9	3·4	·395	79	22	4·76	+0·84	0	1	10	4	3	14	27	3	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·835	29·859	68·1	53·2	60·7	+2·3	80	6*th*	47	13*th*	..	..	..	..	13	2·26	−0·63	0	2	8	4	2	30	10	6	0
Means	176	29·667	29·856	66·3	53·3	59·8	+1·9	..	..	..	..	58·7	3·1	·400	81	19	3·04	+0·06	0	3	5	7	4	18	14	5	6

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

AUGUST 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of August 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4718 living children, of whom 2410 were males and 2308 were females. Compared with the number in the previous month that of male children is 58 fewer and of female children 154 fewer, while compared with the number in the corresponding month of last year that of male children is 10 more and of female children 154 fewer. The total number of children registered during the month is 212 less than in the previous month, 297 less than the mean of the numbers of the three preceding months, and 144 less than that of August of last year.

The monthly birth-rate in these burghs taken collectively was 23·2 per thousand. This rate is 1·0 less than that of the previous month, 1·7 less than the mean of those of the three preceding months, and 0·9 less than that of August of last year. In the individual towns the monthly birth-rate ranged from 29·7 in Greenock, 27·2 in Kirkcaldy, 25·4 in Hamilton, and 24·9 in Falkirk, to 17·4 in Perth, 20·0 in Paisley and in Clydebank, 20·4 in Edinburgh, and 20·6 in Kilmarnock. In Motherwell and Wishaw the monthly birth-rate was 24·6, in Glasgow 24·3, in Aberdeen 24·0, in Ayr 22·5, in Coatbridge 22·3, in Dundee 22·0, and in Dunfermline 21·8.

Of the 4718 children whose births were registered in these towns during the month 4383, or 92·9 per cent., were legitimate, while 335, or 7·1 per cent., were illegitimate. The legitimate children of the month numbered 189 less than those of the previous month, 294 less than the mean of the numbers of the three preceding months, and 165 less than in August of last year. The illegitimate children of the month numbered 23 less than in the previous month, and 3 less than the mean of those of the three preceding months, but 21 more than in August of last year. The illegitimate rate of the month is 0·2 less than that of the previous month, but is 0·3 more than the mean of those of the three preceding months, and 0·6 more than that of August of last year. In the individual towns the illegitimate rate of the month varied from 8·9 per cent. in Edinburgh, 7·8 in Kilmarnock, 7·6 in Glasgow, and 7·0 in Dundee and in Aberdeen, to 2·5 in Clydebank, 4·0 in Motherwell and Wishaw, and 4·3 in Kirkcaldy and in Ayr. In Hamilton this rate was 6·9, in Paisley 6·2, in Perth 6·1, in Falkirk 5·5, in Dunfermline 5·3, in Greenock 4·9, and in Coatbridge 4·7.

Marriages registered in these towns during the month numbered 1571. This number is 1213 less than that of the previous month, and 397 less than the mean of the numbers of the three preceding months, but is 68 more than in August of last year. The monthly marriage-rate was 7·7 per thousand. It is 6·0 less than in July, and 2·1 less than the mean of those of May, June and July, but is 0·2 more than that of August of last year. In the individual towns the monthly marriage-rate varied from 9·6 in Aberdeen, 9·3 in Edinburgh, 8·3 in Dunfermline, and 8·1 in

Glasgow, to 3·7 in Clydebank, 4·4 in Hamilton, and 5·0 in Coatbridge. In Perth this rate was 7·8, in Ayr 7·5, in Paisley 7·1, in Motherwell and Wishaw 6·1, in Kilmarnock 6·1, in Falkirk 5·5, in Dundee 5·5, in Greenock 5·5, and in Kirkcaldy 5·3.

Deaths registered in these towns during the month numbered 2251, 1167 being of males and 1084 of females. Compared with the number registered in the previous month, that of males is 11 less and that of females is 78 less. Compared with the number registered in August of last year, that of males is 93 more and that of females is 11 more. These 2251 deaths include those of 235 persons with usual residence outwith the town of registration, but exclude those of 166 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 69, falls to be deducted to get the corrected number, which is thus found to be 2182. This number is 111 less than that of the previous month, and 390 less than the mean of the numbers of the three preceding months, but is 65 more than that of August of last year.

The monthly death-rate, based on the corrected number of deaths, was 10·7 per thousand. This rate is 0·6 less than that of the previous month, and 2·1 less than the mean of those of the three preceding months, but is 0·2 more than that of August of last year. In the individual towns the monthly death-rate varied from 11·5 in Glasgow, 11·4 in Aberdeen, and 11·3 in Coatbridge and in Perth, to 7·2 in Clydebank, and 8·8 in Greenock and in Hamilton. In Kilmarnock this rate was 11·0, in Falkirk 10·9, in Motherwell and Wishaw 10·8, in Edinburgh 10·4, in Paisley 9·9, in Dundee 9·6, in Ayr 9·5, in Dunfermline 9·2, and in Kirkcaldy 9·1.

Deaths of children of less than one year old numbered 289. This number is 36 less than that of the previous month, and 104 less than the mean of the numbers of the three preceding months, but is 3 more than that of August of last year. The infantile mortality rate of the month is 58 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 7 less than that of the previous month, and 21 less than the mean of the numbers of the three preceding months, but is 4 more than that of August of last year. In the individual towns this rate varied from 102 in Coatbridge, 83 in Motherwell and Wishaw, and 72 in Falkirk, to 17 in Dundee, 40 in Paisley, 43 in Greenock, 45 in Clydebank, and 48 in Edinburgh. In Perth this rate was 69, in Glasgow 68, in Ayr 67, in Dunfermline 56, in Aberdeen 55, in Kilmarnock 55, in Hamilton 54, and in Kirkcaldy 52.

Deaths from the principal epidemic diseases numbered 146, and equalled a death-rate of 0·7 per thousand. These deaths are 8 more than in the previous month, and 35 more than in August of last year, but are 22 less than the mean of the numbers of the three preceding months. This death-rate is the same as in the previous month, but is 0·1 less than the mean of those of the three preceding months, while it is 0·1 more than that of August of last year. These 147 deaths include 4 from enteric fever, 28 from measles, 17 from scarlet fever, 31 from whooping-cough, 8 from diphtheria, and 58 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from the diarrhœas of childhood are 14 more, from scarlet fever 5 more, and from enteric fever 2 more, but those from diphtheria are 7 fewer, from whooping-cough 4 fewer, and from measles 2 fewer.

Deaths from influenza in all numbered 4. In May these deaths numbered 17, in June 16, and in July 7.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, in all numbered 240, and include 135 from pneumonia and 79 from bronchitis. These deaths collectively numbered 38 less than in the previous month, 145 less than the mean of the numbers of the three preceding months, and 13 more than in August of last year.

Deaths from all forms of tuberculosis numbered 233, of which 168 were attributed to tuberculosis of the respiratory system. The former number is 21 less than that of the previous month, and 48 less than the mean of the numbers of the three preceding months, but is 5 more than that of August of last year. The latter number is 5 more than in the previous month, and 14 more than in August of last year, but is 16 less than the mean of those of the three preceding months.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1923.

Mean barometric pressure, 29·724 in.; less than the average of 1881–1915 by 0·135 in.

Mean temperature, 56°·5; less by 0°·7.

Mean daily range of temperature, 12°·9; less by 1°·3.

Rain, depth in inches, 5·18; greater by 1·53 in.

Wind, direction of: a 6 days' excess of south-westerly winds.

Hence the month was characterised by a low mean pressure; a slightly low mean temperature; a high mean rainfall; and an excess of south-westerly winds.

Except for two or three days around 12th conditions over Scotland were of a south-westerly cyclonic type with some very disturbed periods. On 2nd-3rd a deep depression moved from the south-west of Ireland on a north-easterly track; on the morning of 21st one had reached the West of Scotland; and on 23rd to 24th another crossed our area. Yet another, which crossed Central England on 29th-30th, extended its influence to the southern districts of Scotland.

After rather cold weather at the beginning of the month temperature was on most days at least equal to the normal, and the nights sometimes warm, until about 18th. Thereafter conditions were distinctly cold with ground frost in many districts around 29th, and a reading in screen of 31° at Balmoral on night of 28th-29th. Highest readings occurred as a rule on 5th (79° at North Berwick) or on 13th, but many stations failed to reach 70° during the month.

Very heavy rains were general on 2nd (2·17 in. at Carsphairn), and in the south on 8th (2·77 in. at Southwick). After a brief recovery unsettled conditions set in on 12th and in many districts rain fell on every day until the end of the month. The heaviest general falls occurred on the night of 20th-21st (2·34 in. at Roshven) and on 23rd, whilst the night of 29th-30th was very wet in the southern districts (2·21 in. at Galashiels). Aggregates were everywhere above the normal,—over wide areas decidedly so,—and around the Upper Moray Firth and in the Nith valley fully twice the normal. At Grantown-on-Spey, at Dumfries and in the south-west of Scotland the month was the wettest August on record, but in some of the very wet areas the falls were less heavy than in, *e.g.*, 1917 or 1912. Apparently much of the month's rain fell at night, and at North Berwick considerably more than half the month's total was accounted for on nights of 20th and 29th.

Wind force was high at times, especially on 2nd and 21st, and the heavy rains caused flooding in places. Snow fell on the Cairngorms on 24th and 29th.

Thunderstorms occurred here and there on 1st, 4th, 7th, 22nd, 23rd, 26th, 27th or 28th, but there were no wide-spread storms as in July. Hail was reported in places.

The month was cloudy in western districts, but in the east had about the normal amount of sunshine.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, August 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1099	1046	2145	1982	163	717	559	484	1043	94	69	1018
EDINBURGH,	420,264	426,000	377	362	739	673	66	338	202	210	412	52	15	375
DUNDEE,	168,315	176,000	164	165	329	306	23	82	79	70	149	13	7	143
ABERDEEN,	158,963	160,200	158	169	327	304	23	131	77	77	154	22	23	155
PAISLEY,	84,837	85,900	76	70	146	137	9	52	40	36	76	9	5	72
GREENOCK,	81,123	81,600	108	98	206	196	10	38	34	31	65	7	3	61
MOTHERWELL AND WISHAW,	68 869	71,700	68	82	150	144	6	37	31	24	55	0	11	66
CLYDEBANK,	46,506	47,200	43	37	80	78	2	15	11	10	21	0	8	29
COATBRIDGE,	43,909	44,800	42	43	85	81	4	19	20	23	43	3	3	43
DUNFERMLINE,	39,899	41,000	40	36	76	72	4	20	12	23	35	7	4	32
KIRKCALDY,	39,591	40,200	51	42	93	89	4	18	13	17	30	2	3	31
HAMILTON,	39,420	40,300	47	40	87	81	6	15	17	9	26	1	5	30
KILMARNOCK,	35,911	36,500	36	28	64	59	5	19	17	18	35	5	4	34
AYR,	35,763	36,100	38	31	69	66	3	23	26	12	38	12	3	29
FALKIRK,	33,308	34,500	34	39	73	69	4	16	12	21	33	2	1	32
PERTH,	33,208	33,200	29	20	49	46	3	22	17	19	36	6	2	32
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2410	2308	4718	4383	335	1571	1167	1084	2251	235	166	2182

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, August 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	24·3	7·6	8·1	11·8	11·5	1·1	1·2	0·8	1·4	156	68
EDINBURGH,	20·4	8·9	9·3	11·4	10·4	0·7	1·1	0·8	1·1	37	48
DUNDEE,	22 0	7·0	5·5	10·0	9 6	0·1	1·2	0 9	1·0	6	17
ABERDEEN,	24·0	7·0	9·6	11·3	11·4	0·1	1·0	0·5	0·9	18	55
PAISLEY,	20·0	6·2	7·1	10·4	9·9	0·4	1·6	0·7	0·7	7	40
GREENOCK,	29·7	4·9	5·5	9·4	8·8	0·1	1·0	1·0	1·7	8	43
MOTHERWELL AND WISHAW,	24·6	4·0	6·1	9·0	10·8	0 7	1·3	1·3	1·1	12	83
CLYDEBANK,	20·0	2·5	3·7	5·2	7·2	0·0	0·7	0 7	0 2	4	45
COATBRIDGE,	22·3	4·7	5·0	11·3	11·3	1·3	1·6	1·3	1·1	10	102
DUNFERMLINE,	21·8	5·3	8·3	10·1	9·2	0·3	1·1	1·1	0·3	4	56
KIRKCALDY,	27·2	4·3	5·3	8·8	9·1	0·6	0·3	0·3	0 0	4	52
HAMILTON,	25·4	6·9	4·4	7·6	8·8	1 2	0·9	0 6	1·2	5	54
KILMARNOCK,	20·6	7·8	6·1	11·3	11·0	0·3	1·0	1·0	1·3	4	55
AYR,	22·5	4·3	7·5	12·4	9·5	0·3	0·7	0·7	1·0	5	67
FALKIRK,	24·9	5·5	5·5	11·3	10 9	0·0	1·4	1·0	1·7	5	72
PERTH,	17·4	6·1	7·8	12·8	11·3	0·0	1·8	1·1	1·1	4	69
TOTAL (SIXTEEN TOWNS)	23·2	7·1	7·7	11·1	10·7	0·7	1·1	0·8	1·2	289	58

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR AUGUST 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
AUG. 1923, .	**23·2**	**7·1**	**7·7**	**10·7**	**4**	**0**	**28**	**17**	**31**	**8**	**58**	**58**	**56°·5**
AUG. 1922, .	24·1	6·5	7·5	10·5	0	0	26	4	28	18	35	54	54°·8
AUG. 1921, .	26·2	7·7	8·7	12·8	2	0	6	14	37	13	213	105	56°·1
AUG. 1920, .	27 5	9·0	10·6	11·9	3	13	6	11	26	18	85	69	55°·5
AUG. 1919, .	21·0	9·6	9·9	10·3	5	0	23	8	21	26	104	88	57°·6
AUG. 1918, .	19 8	9·8	8·1	10·7	8	0	10	5	44	23	129	89	58°·5
AUG. 1917, .	19·3	8·9	7·2	11·5	0	0	38	5	57	13	161	93	58°·8
AUG. 1916, .	23·6	7·8	8·0	12 5	5	0	29	19	25	17	158	95	58°·9
AUG. 1915, .	22·6	6·8	9·5	13·3	8	0	111	53	31	27	129	94	58°·1
AUG. 1914, .	25 6	7·3	7·8	13·8	19	0	19	26	62	32	201	114	58°·6
AUG. 1913, .	24·2	6·3	6·2	13 4	4	0	65	17	42	31	215	112	58°·1

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1–	5–	10–	15–	25–	35–	45–	55–	65–	75–	85–
Enteric Fever	4	1	3	–	–	–	–	2	1	–	–	–	1	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	28	11	17	7	21	–	–	–	–	–	–	–	–	–	–
Scarlet Fever	17	8	9	1	14	2	–	–	–	–	–	–	–	–	–
Whooping-cough	31	12	19	16	15	–	–	–	–	–	–	–	–	–	–
Diphtheria	8	4	4	1	5	1	1	–	–	–	–	–	–	–	–
Influenza	4	3	1	–	–	–	–	–	–	1	–	1	–	1	1
Encephalitis Lethargica	5	3	2	–	–	–	1	1	–	–	2	1	–	–	–
Cerebro-spinal Meningitis	3	2	1	1	–	–	1	1	–	–	–	–	–	–	–
Other Epidemic Diseases	8	5	3	–	2	–	–	–	1	1	1	2	1	–	–
Tuberculosis of Respiratory System	168	85	83	1	2	2	3	37	39	28	29	24	3	–	–
Tuberculous Meningitis	19	10	9	3	15	–	–	1	–	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	22	10	12	2	6	3	1	7	2	–	1	–	–	–	–
Other Tuberculous Disease	24	12	12	1	2	1	5	6	1	4	2	2	–	–	–
Malignant Tumours	277	124	153	1	–	1	–	1	6	24	45	74	97	25	3
Rheumatic Fever	5	1	4	–	–	–	–	3	–	–	1	1	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	24	13	11	10	9	1	1	–	–	–	1	1	1	–	–
Apoplexy	201	85	116	–	–	–	–	–	4	6	14	50	74	48	5
Heart Disease	232	120	112	–	1	–	1	7	7	14	31	58	69	35	9
Diseases of Arteries	35	19	16	–	–	–	–	–	–	–	4	4	10	17	–
Bronchitis	79	46	33	4	2	–	–	2	1	5	8	16	31	9	1
Pneumonia (all forms)	135	74	61	25	27	2	2	4	6	10	12	23	13	9	2
Other Diseases of Respiratory System	26	15	11	3	3	–	–	3	2	2	3	4	3	1	2
Diarrhœa and Enteritis (under 2 years)	58	32	26	41	17	–	–	–	–	–	–	–	–	–	–
Appendicitis	18	13	5	–	–	2	–	3	2	5	2	2	2	–	–
All Diseases of Liver (not Malignant)	22	12	10	–	–	–	–	–	–	3	4	7	5	1	2
Nephritis, Acute and Chronic	62	36	26	1	–	1	1	1	2	7	14	10	16	8	1
Puerperal Sepsis	6	–	6	–	–	–	–	1	4	1	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	20	–	20	–	–	–	–	3	8	8	1	–	–	–	–
Diseases of Early Infancy and Malform.	141	81	60	139	2	–	–	–	–	–	–	–	–	–	–
Suicide	7	5	2	–	–	–	–	1	–	1	2	2	1	–	–
Other Violent Deaths	85	61	24	3	15	7	3	11	10	8	9	4	9	5	1
Other Defined Diseases	369	184	185	28	18	5	5	22	18	28	40	43	81	65	16
Causes Ill-defined or Unknown	39	20	19	1	1	–	2	–	1	–	4	12	9	7	2
	2182	1107	1075	289	177	28	27	117	115	156	230	341	426	231	45

DEATHS IN EACH TOWN (corrected for Transfers)—August 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	4	3	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	28	21	4	...	2	...	...	...	...
Scarlet Fever	17	3	9	1	...	2	...	1	...
Whooping-cough	31	20	3	...	...	1	...	3	...
Diphtheria	8	4	2	1	...	...	...	...	...
Influenza	4	1	2	...	...	...	...	...	...
Encephalitis Lethargica	5	2	...	...	...	1	1	...	...
Cerebro-spinal Meningitis	3	3	...	...	...	...	...	...	...
Other Epidemic Diseases	8	5	2	...	1	...	...	...	...
Tuberculosis of Respiratory System ...	168	73	29	13	7	5	7	8	3
Tuberculous Meningitis	19	11	1	1	2	4	...	...	...
Tuber. of Intestines and Peritoneum	22	14	3	...	1	1	...	...	...
Other Tuberculous Disease	24	8	5	4	3	2	...	...	...
Malignant Tumours	277	128	53	20	15	9	6	7	3
Rheumatic Fever	5	3	1	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	24	9	2	2	...	...	3	4	...
Apoplexy	201	81	43	17	15	4	6	3	...
Heart Disease	232	91	49	21	28	8	5	9	4
Diseases of Arteries	35	17	8	2	4	...	...	...	...
Bronchitis	79	40	11	6	4	2	6	...	...
Pneumonia (all forms)	135	73	26	5	6	3	5	5	1
Other Diseases of Respiratory System	26	12	2	4	2	...	1	2	...
Diarrhœa and Enteritis (under 2 years)	58	42	9	...	...	...	1	...	...
Appendicitis	18	3	2	4	3	1	1	1	...
All Diseases of Liver (not Malignant)	22	11	3	2	2	...	...	...	2
Nephritis, Acute and Chronic ...	62	29	7	4	6	3	...	3	1
Puerperal Sepsis	6	4	...	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	20	12	3	...	2	1	1	...	...
Dis. of Early Infancy and Malformations	141	68	20	1	12	5	4	5	3
Suicide	7	4	2	1	...	...	...	...	...
Other Violent Deaths	85	48	9	3	7	3	...	2	2
Other Defined Diseases	369	152	64	29	28	17	12	13	9
Causes Ill-defined or Unknown ...	39	23	1	2	5	...	1	...	1
All Causes ...	2182	1018	375	143	155	72	61	66	29
AGE AT DEATH.									
Under 1	289	156	37	6	18	7	8	12	4
1– 4	177	99	24	8	4	7	4	5	3
5– 9	28	14	4	...	1	5	...	1	1
10–14	27	11	3	1	1	1	6	...	1
15–24	117	61	18	8	6	3	2	6	2
25–34	115	58	17	6	5	6	6	6	...
35–44	156	66	32	10	9	6	4	4	3
45–54	230	104	38	20	20	8	7	7	5
55–64	341	157	62	24	28	7	10	7	4
65–74	426	186	72	38	36	17	7	7	5
75–84	231	97	57	16	20	5	5	11	...
85 and over	45	9	11	6	7	...	2	...	1
All Ages ...	2182	1018	375	143	155	72	61	66	29

DEATHS IN EACH TOWN (corrected for Transfers)—August 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	1	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	1	...	...	...	...	...
Scarlet Fever	...	1	...	...	...	...	...	...
Whooping-cough	3	...	...	1	...	...	...	...
Diphtheria	...	...	1	...	...	...	...	...
Influenza...	...	1	...	...	...	...	...	...
Encephalitis Lethargica	...	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	5	4	1	2	3	2	3	3
Tuberculous Meningitis	...	...	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum ...	...	...	...	...	...	...	1	2
Other Tuberculous Disease	1	...	...	1	...	...	...	...
Malignant Tumours	3	6	4	5	5	3	5	5
Rheumatic Fever	...	...	...	...	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	1	2	...	...
Apoplexy	5	1	5	4	6	4	5	2
Heart Disease	4	5	1	1	2	3	...	1
Diseases of Arteries	1	...	1	...	...	...	1	1
Bronchitis	1	1	...	2	3	...	3	...
Pneumonia (all forms)	3	...	...	2	1	1	1	3
Other Diseases of Respiratory System	...	...	...	...	...	2	1	...
Diarrhœa and Enteritis (under 2 years)	2	...	...	3	1	...	...	...
Appendicitis	1	...	1	...	1	...	...	...
All Diseases of Liver (not Malignant)	...	...	1	...	...	...	...	1
Nephritis, Acute and Chronic... ...	1	1	3	...	...	2	1	1
Puerperal Sepsis	...	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	1	...	...	...	...
Dis. of Early Infancy and Malformations	5	3	2	1	3	2	4	3
Suicide	...	...	...	...	...	...	...	...
Other Violent Deaths	2	1	1	2	...	2	2	1
Other Defined Diseases	3	7	7	4	7	5	4	8
Causes Ill-defined or Unknown ...	2	...	1	1	1	...	1	...
All Causes ...	43	32	31	30	34	29	32	32
AGE AT DEATH.								
Under 1	10	4	4	5	4	5	5	4
1– 4	6	3	2	3	3	2	3	1
5– 9	1	...	...	...	...	1	...	...
10–14	1	...	...	1	...	...	...	1
15–24	2	1	1	1	2	1	2	1
25–34	3	2	...	1	2	...	1	2
35–44	2	5	2	1	6	4	1	1
45–54	4	1	2	2	2	1	4	5
55–64	8	5	4	6	2	4	8	5
65–74	4	7	8	6	13	5	7	8
75–84	2	3	5	2	...	3	1	4
85 and over	...	1	3	2	...	3	...	...
All Ages ...	43	32	31	30	34	29	32	32

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Greenock, and Perth, During the Month of August 1923.

Observers.	Height of Station above Sea-level.	Barometer: Mean at Station and 32°.	Barometer: Mean at Sea-Level and 32°.	Air Temperature: Mean of Maximum (A).	Air Temperature: Mean of Minimum (B.)	Air Temperature: Mean of A and B (Mean Temperature).	Air Temperature: Difference from Average, 1881-1915.	Air Temperature: Absolute Maximum.	Air Temperature: Day of Month.	Air Temperature: Absolute Minimum.	Air Temperature: Day of Month.	Hygrometer: Mean at 9 A.M. and 9 P.M. Dry Bulb.	Hygrometer: Depression of Wet Bulb.	Hygrometer: Vapour Pressure.	Hygrometer: Humidity.	Rain, and other forms of precipitation: Number of Days.	Rain: Total Fall.	Rain: Difference from Average, 1881-1915.	Wind Directions: Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									°
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory.	441	29·271	29·744	61·9	49·8	55·9	−0·8	72	5th	43	29, 30, 31	54·7	3·2	·341	79	20	4·31	+1·22	2	1	1	2	5	12	23	6	10
DUNDEE, A. Macrae, Curator of Cemeteries.	164	29·532	29·710	63·7	49·4	56·6	−0·7	74	13th	40	25, 29	55·7	3·1	·359	81	20	4·84	+1·46	0	1	0	15	0	36	4	6	0
ABERDEEN,* The Meteorological Office.	90	29·598	29·698	62·2	49·6	55·9	−0·4	74	13th	39	29th	55·3	2·5	·367	84	19	4·18	+1·44	3	2	0	8	9	15	10	9	6
PAISLEY, The Coats Observatory.	107	29·617	29·734	63·9	50·6	57·3	−1·2	72	5th	43	2, 29	55·8	2·5	·375	84	22	5·63	+1·72	1	0	0	0	6	17	17	7	14
GREENOCK,† J. MacAlister, A.M.Inst., C.E., Greenock Waterworks.	233	29·491	29·745	60·9	51·5	56·2	−1·0	68	5th	45	25th	56·1	2·9	·369	81	25	7·59	+2·15	1	1	6	3	2	23	20	6	0
PERTH,† J. Ritchie, Jr., The Museum.	22	29·690	29·714	64·7	49·3	57·0	−0·3	74	13th	39	29th	56·4	2·2	·391	86	11	4·56	+1·19	0	4	0	2	2	38	14	2	0
Means	176	29·533	29·724	62·9	50·0	56·5	−0·7	..	..	..	..	55·7	2·7	·367	83	20	5·18	+1·53	1	1	1	5	4	24	15	6	5

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

SEPTEMBER 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of September 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4369 living children, of whom 2191 were males and 2178 were females. Compared with the number in the previous month that of all children born is 349 less, that of male children 219 less, and that of female children 130 less. Compared with the mean of the numbers registered in the three preceding months that of all children is 479 less, of male children 252 less, and of female children 227 less, and compared with the number registered in September of last year that of all children is 250 less, of male children 141 less, and of female children 109 less.

The monthly birth-rate in these burghs taken collectively was 22·2 per thousand. This rate is 1·0 less than that of the previous month, 1·9 less than the mean of the three preceding months, and 1·5 less than that of September of last year. In the individual towns the monthly birth-rate varied from 27·3 in Greenock, 26·3 in Ayr, and 24·4 in Hamilton, to 16·3 in Kirkcaldy, 17·0 in Kilmarnock, 17·8 in Dunfermline, and 19·8 in Edinburgh and in Paisley. In Glasgow this rate was 23·8, in Motherwell and Wishaw 23·6, in Falkirk 22·6, in Aberdeen 21·3, in Clydebank 21·1, in Dundee 20·7, in Coatbridge 20·4, and in Perth 20·1.

Of the 4369 children whose births were registered in these towns during the month 4081, or 93·4 per cent., were legitimate, while 288, or 6·6 per cent., were illegitimate. The legitimate children of the month numbered 302 less than in the previous month, 437 less than the mean of the three preceding months, and 182 less than in September of last year. The illegitimate children of the month numbered 47 less than in the previous month, 42 less than the mean of the numbers of the three preceding months, and 68 less than in September of last year. The illegitimate rate is 0·5 less than that of the previous month, 0·2 less than the mean of the three preceding months, and 1·1 less than that of September of last year. In the individual towns this rate varied from 9·7 per cent. in Dundee, 9·6 in Aberdeen, and 8·4 in Edinburgh, to 0 in Coatbridge, 3·3 in Dunfermline, 3·7 in Clydebank, and 3·9 in Kilmarnock. In Ayr this rate was 6·4, in Glasgow 6·1, in Greenock 6·0, in Kirkcaldy 5·6, in Perth 5·5, in Paisley 5·0, in Hamilton 4·9, in Falkirk 4·7, and in Motherwell and Wishaw 4·3.

Marriages registered in these towns during the month numbered 1961. This number is 390 more than that of the previous month, and 112 more than that of September of last year, but is 259 less than the mean of those of the three preceding months. The monthly marriage-rate was 10·0 per thousand. It is 2·3 more than that of the previous month, and 0·5 more than that of September of last year, but is 1·0 less than the mean of those of the three preceding months. In the individual towns this rate varied from 15·9 in Ayr, 15·8 in Perth, 12·0 in Aberdeen, and 11·3 in Edinburgh, to 3·9 in Kirkcaldy, 5·4 in Clydebank, 6·1 in Paisley, and 6·2 in

Dunfermline. In Glasgow this rate was 10·6, in Kilmarnock 9·0, in Greenock 8·9, in Falkirk 8·5, in Dundee 7·7, in Hamilton 7·5, in Coatbridge 6·5, and in Motherwell and Wishaw 6·3.

Deaths registered during the month numbered 2264, 1176 being of males and 1088 of females. Compared with the number in the previous month, that of males is 9 more and that of females is 4 more. These 2264 deaths include those of 255 persons with usual residence outwith the town of registration, but exclude those of 166 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 89, falls to be deducted to get the corrected number, which is thus found to be 2175. This number is 7 less than that of the previous month, and 160 less than the mean of those of the three preceding months, but is 43 more than that of September of last year.

The monthly death-rate, based on the corrected number of deaths, was 11·0 per thousand. This death-rate is 0·3 more than that of the previous month, and 0·1 more than that of September of last year, but is 0·6 less than the mean of those of the three preceding months. In the individual towns the monthly death-rate varied from 15·3 in Kilmarnock, 13·3 in Kirkcaldy, and 12·2 in Greenock and in Coatbridge, to 7·5 in Motherwell and Wishaw, 8·1 in Ayr, 8·5 in Clydebank, and 9·4 in Hamilton. In Glasgow this rate was 11·4, in Edinburgh 11·1, in Dunfermline 11·0, in Perth 11·0, in Paisley 10·9, in Falkirk 10·6, in Aberdeen 10·3, and in Dundee 10·2.

Deaths of children of less than one year old numbered 324. This number is 35 more than that of the previous month, but is 10 less than the mean of those of the three preceding months, and 10 less than that of September of last year. The infantile mortality rate of the month was 68 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 10 more than that of the previous month, and 3 more than that of September of last year, but is the same as the mean of those of the three preceding months. In the individual towns this rate varied from 105 in Coatbridge, 103 in Dunfermline, and 86 in Motherwell and Wishaw, to 30 in Falkirk, 40 in Dundee, and 54 in Kirkcaldy and in Perth. In Paisley this rate was 77, in Greenock 77, in Aberdeen 75, in Kilmarnock 71, in Glasgow 68, in Edinburgh 68, in Hamilton 67, in Clydebank 58, and in Ayr 56.

Deaths from the principal epidemic diseases numbered 149, and equalled a death-rate of 0·8 per thousand. These deaths are 2 more than in the previous month, and 35 more than in September of last year, but are the same as the mean of the numbers of the three preceding months. This death-rate is 0·1 more than that of the previous month, 0·1 more than the mean of those of the three preceding months, and 0·2 more than that of September of last year. These 149 deaths include 31 from measles, 20 from scarlet fever, 26 from whooping-cough, 15 from diphtheria, and 57 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from diphtheria are 7 more, and from measles and scarlet fever each 3 more, but those from the diarrhœas of childhood are 1 less, and those from whooping-cough 5 less.

No deaths from enteric fever were registered during the month. In the previous month they numbered 4.

Deaths from influenza in all numbered 8. In June these deaths numbered 16, in July 7, and in August 4.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, in all numbered 255, and include 125 from pneumonia and 102 from bronchitis. These deaths collectively numbered 15 more than in the previous month, but are 44 less than the mean of the numbers of the three preceding months, and 20 less than that of September of last year.

Deaths from all forms of tuberculosis numbered 202, of which 139 were ascribed to tuberculosis of the respiratory system. The former number is 31 less than that of the previous month, 58 less than the mean of those of the three preceding months, and 21 less than that of September of last year. The latter number is 29 less than that of the previous month, 37 less than the mean of those of the three preceding months, and 6 less than that of September of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1923.

Mean barometric pressure, 29·758 in.; less than the average of 1881–1915 by 0·190 in.

Mean temperature, 52°·3; less by 1°·3.

Mean daily range of temperature, 12°·2; less by 1°·4.

Rain, depth in inches, 5·05; greater by 2·35 in.

Wind, direction of: a 7 days' excess of south-westerly winds.

Hence the month was characterised by a low mean pressure; a rather low mean temperature; with a low mean daily range; a very high mean rainfall; and a large excess of south-westerly winds.

Until about 27th pressure conditions over Scotland were of an unsettled cyclonic type, with various depressions crossing the area,—the deepest around 14th and 24th,—and at times a very steep gradient for south-westerly winds. During the last three or four days a high pressure area spread northwards from France, with quiet weather.

For the greater part of the month temperature remained for the most part at a moderate level, and the third week was decidedly cold. Lowest readings occurred very widely on 3rd (27° at Eskdalemuir) or on 20th. About 25th the weather became appreciably warmer, and the 30th was almost everywhere much the warmest day of the month, with a maximum of 73° at Aberdeen, as compared with only 49° on 21st. Night temperatures were unusually high at this time.

The prevailing south-westerly winds brought about a large rainfall excess in western and southern districts, with heaviest falls on 11th (2·18 in. at Ardgour), 15th, 17th (2·17 in. at Glenorchy Manse), or 27th (2·25 in. at Ardnadam), and at many places rain fell on every day from 3rd to 27th. The excess was relatively greatest in the Clyde area and the Nith valley. At Greenock (11·67 in. or 246 per cent. of the normal) the month was the wettest September for at least 50 years; but at *e.g.* Dumfries (203 per cent.) September 1918 was a wetter month. In eastern and northern districts, on the other hand, Aberdeen had a decided excess, but many places little more than the normal, and Inverness, Grantown-on-Spey, Midlothian, and Berwickshire rather less than the normal. There were numerous days with no rain or only trifling amounts, and most of the month's rainfall was accounted for between 15th and 17th, and between 23rd and 27th. Everywhere rain during the last three days was unimportant.

In west and south the month was the third wet one in succession, and the July-September period of 1923 was at Rothesay the wettest for at least 100 years, and at Cargen, near Dumfries, the wettest for at least 60 years.

Wind force was often high, with exceptionally stormy weather in Shetland during the second week, and a very general southerly gale on 17th. About 20th snow fell on the Grampians and other mountains. Flooding occurred at times,—in the Nith valley on 17th, 24th, and 27th.

Thunderstorms occurred here and there on 1st and 18th; in parts of Forfarshire on 23rd; and in some Perthshire districts on 25th.

The month was rather cloudy in western districts, but in the east sunshine amounts were somewhat above the normal.

Aurora was observed in Orkney on 2nd and 9th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, September 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1036	1000	2036	1911	125	911	554	454	1008	90	62	980
EDINBURGH,	420,264	426,000	335	357	692	634	58	396	196	225	421	57	26	390
DUNDEE,	168,315	176,000	148	151	299	270	29	111	77	75	152	12	7	147
ABERDEEN,	158,963	160,200	137	143	280	253	27	158	70	74	144	24	15	135
PAISLEY,	84,837	85,900	76	64	140	133	7	43	47	37	84	11	4	77
GREENOCK,	81,123	81,600	95	88	183	172	11	60	41	46	87	6	1	82
MOTHERWELL AND WISHAW,	68,869	71,700	69	70	139	133	6	37	23	18	41	0	3	44
CLYDEBANK,	46,506	47,200	37	45	82	79	3	21	10	13	23	4	14	33
COATBRIDGE,	43,909	44,800	35	40	75	75	0	24	24	18	42	3	6	45
DUNFERMLINE,	39,899	41,000	26	34	60	58	2	21	23	18	41	9	5	37
KIRKCALDY,	39,591	40,200	30	24	54	51	3	13	26	18	44	4	4	44
HAMILTON,	39,420	40,300	42	39	81	77	4	25	11	13	24	1	8	31
KILMARNOCK,	35,911	36,500	27	24	51	49	2	27	25	25	50	8	4	46
AYR,	35,763	36,100	48	30	78	73	5	47	17	19	36	14	2	24
FALKIRK,	33,308	34,500	26	38	64	61	3	24	15	15	30	2	2	30
PERTH,	33,208	33,200	24	31	55	52	3	43	17	20	37	10	3	30
Total (Sixteen Towns)	2,364,060	2,396,600	2191	2178	4369	4081	288	1961	1176	1088	2264	255	166	2175

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, September 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	23·8	6·1	10·6	11·8	11·4	1·0	1·2	0·9	1·6	151	68
EDINBURGH,	19·8	8·4	11·3	12·0	11·1	0·8	0·9	0·7	1·3	50	68
DUNDEE,	20·7	9·7	7·7	10·5	10·2	0·4	0·8	0·5	1·2	14	40
ABERDEEN,	21·3	9·6	12·0	10·9	10·3	0·3	0·6	0·5	0·8	24	75
PAISLEY,	19·8	5·0	6·1	11·9	10·9	0·7	1·1	0·9	1·0	13	77
GREENOCK,	27·3	6·0	8·9	13·0	12·2	0·9	1·3	0·9	0·7	14	77
MOTHERWELL AND WISHAW,	23·6	4·3	6·3	7·0	7·5	1·2	0·2	0·2	1·0	12	86
CLYDEBANK,	21·1	3·7	5·4	5·9	8·5	0·5	0·8	0·3	0·3	5	58
COATBRIDGE,	20·4	0·0	6·5	11·4	12·2	0·5	0·8	0·8	0·8	10	105
DUNFERMLINE,	17·8	3·3	6·2	12·2	11·0	0·3	0·3	0·0	2·1	7	103
KIRKCALDY,	16·3	5·6	3·9	13·3	13·3	0·3	1·5	0·9	1·2	4	54
HAMILTON,	24·4	4·9	7·5	7·2	9·4	0·3	0·9	0·9	0·9	6	67
KILMARNOCK,	17·0	3·9	9·0	16·7	15·3	0·0	0·3	0·0	1·0	5	71
AYR,	26·3	6·4	15·9	12·1	8·1	0·7	2·0	1·0	0·7	4	56
FALKIRK,	22·6	4·7	8·5	10·6	10·6	0·0	0·4	0·0	1·1	2	30
PERTH,	20·1	5·5	15·8	13·6	11·0	0·0	1·1	0·0	0·7	3	54
Total (Sixteen Towns)	22·2	6·6	10·0	11·5	11·0	0·8	1·0	0·7	1·3	324	68

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR SEPTEMBER 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
SEPT. 1923, .	**22·2**	**6·6**	**10·0**	**11·0**	**0**	**0**	**31**	**20**	**26**	**15**	**57**	**68**	**52°·3**
SEPT. 1922, .	23·7	7·7	9·5	10·9	2	0	15	9	32	13	43	65	52°·1
SEPT. 1921, .	27·2	7·1	10·5	12·2	5	0	3	4	23	24	151	96	55°·3
SEPT. 1920, .	26·6	7·5	12·8	12·1	4	12	5	10	10	24	96	73	53°·5
SEPT. 1919, .	24 0	8·4	12·9	11·6	5	0	18	11	21	24	134	113	53°·1
SEPT. 1918, .	17·8	9·0	10·3	11·9	8	0	11	8	32	39	102	92	49°·6
SEPT. 1917, .	18·2	9·7	8·2	11·5	1	0	13	7	61	22	108	95	55°·1
SEPT. 1916, .	22·3	7·2	7·3	13·8	10	0	25	18	21	30	256	125	53°·8
SEPT. 1915, .	22·6	7·0	9·7	13·9	11	0	50	52	17	43	193	120	54°·3
SEPT. 1914, .	25 4	7·1	10·1	16·3	13	0	8	41	62	28	383	161	54°·1
SEPT. 1913, .	25·0	6·6	9·6	16 1	12	0	51	22	27	36	321	153	54°·4

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-
Enteric Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	31	13	18	12	18	1	–	–	–	–	–	–	–	–	–
Scarlet Fever	20	8	12	–	15	3	1	–	1	–	–	–	–	–	–
Whooping-cough	26	11	15	7	16	2	–	–	1	–	–	–	–	–	–
Diphtheria	15	7	8	–	10	4	–	–	–	1	–	–	–	–	–
Influenza	8	4	4	–	–	–	–	–	1	–	2	4	1	–	–
Encephalitis Lethargica	3	1	2	–	–	–	–	–	–	1	2	–	–	–	–
Cerebro-spinal Meningitis	8	4	4	4	2	1	–	–	–	1	–	–	–	–	–
Other Epidemic Diseases	7	4	3	1	–	–	–	2	–	–	1	3	–	–	–
Tuberculosis of Respiratory System	139	79	60	–	2	5	4	35	29	13	28	15	8	–	–
Tuberculous Meningitis	22	12	10	6	12	–	–	1	2	1	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	21	10	11	–	8	–	2	3	2	1	4	1	–	–	–
Other Tuberculous Disease	20	14	6	1	5	4	1	1	2	1	3	–	2	–	–
Malignant Tumours	256	121	135	–	–	–	1	2	1	18	47	84	76	23	4
Rheumatic Fever	8	4	4	–	–	–	2	1	2	–	3	–	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	16	11	5	3	6	1	2	3	1	–	–	–	–	–	–
Apoplexy	209	96	113	–	–	–	–	2	1	4	22	56	68	47	9
Heart Disease	235	115	120	–	–	2	2	6	8	10	31	56	74	41	5
Diseases of Arteries	32	14	18	–	–	–	–	–	–	–	2	2	13	10	5
Bronchitis	102	59	43	9	5	1	1	–	2	5	13	16	27	20	3
Pneumonia (all forms)	125	72	53	25	18	7	2	4	7	6	10	10	25	9	2
Other Diseases of Respiratory System	28	18	10	4	1	–	–	2	1	2	1	4	6	6	1
Diarrhœa and Enteritis (under 2 years)	57	32	25	44	13	–	–	–	–	–	–	–	–	–	–
Appendicitis	18	8	10	–	3	1	1	6	2	–	1	1	3	–	–
All Diseases of Liver (not Malignant)	17	6	11	1	–	–	–	–	1	3	2	3	5	2	–
Nephritis, Acute and Chronic	56	31	25	2	1	–	–	3	5	2	13	15	11	4	–
Puerperal Sepsis	12	–	12	–	–	–	–	4	4	4	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	17	–	17	–	–	–	–	4	8	5	–	–	–	–	–
Diseases of Early Infancy and Malform.	185	104	81	183	2	–	–	–	–	–	–	–	–	–	–
Suicide	9	8	1	–	–	–	–	–	1	–	3	4	1	–	–
Other Violent Deaths	95	64	31	4	21	8	2	7	6	13	12	8	7	7	–
Other Defined Diseases	337	152	185	16	14	6	6	18	11	25	36	38	61	84	22
Causes Ill-defined or Unknown	41	26	15	2	3	–	–	–	–	3	4	11	13	4	1
	2175	1108	1067	324	175	46	27	104	99	119	240	331	401	257	52

DEATHS IN EACH TOWN (corrected for Transfers) - September 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	31	30	...	...	...	...	...	...	...
Scarlet Fever	20	3	12	3	1	...	...	...	...
Whooping-cough	26	19	...	...	...	...	...	6	...
Diphtheria	15	5	3	2	2	1	1	...	1
Influenza	8	3	2	1	...	...	...	1	...
Encephalitis Lethargica	3	2	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	8	4	...	...	1	1	...	1	...
Other Epidemic Diseases	7	5	...	1	1	...	...	...	...
Tuberculosis of Respiratory System ...	139	73	26	7	7	6	6	1	1
Tuberculous Meningitis	22	16	1	1	...	...	...	...	...
Tuber. of Intestines and Peritoneum	21	12	4	...	...	...	1	...	1
Other Tuberculous Disease	20	5	2	3	1	2	2	...	1
Malignant Tumours	256	107	50	22	13	9	11	5	4
Rheumatic Fever	8	4	1	...	1	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	16	9	...	1	...	2	...	...	...
Apoplexy	209	90	40	12	14	8	11	4	1
Heart Disease	235	94	50	15	22	8	7	2	5
Diseases of Arteries	32	6	5	4	8	...	...	...	2
Bronchitis	102	55	15	8	2	3	4	4	...
Pneumonia (all forms)	125	75	20	7	6	2	1	2	...
Other Diseases of Respiratory System	28	6	10	2	3	2	...	...	1
Diarrhœa and Enteritis (under 2 years)	57	26	14	1	1	4	5	1	1
Appendicitis	18	10	2	4	...	1	...	...	...
All Diseases of Liver (not Malignant)	17	9	2	...	3	1	1	...	...
Nephritis, Acute and Chronic ...	56	24	7	5	1	4	1	...	2
Puerperal Sepsis	12	5	1	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	17	9	2	1	1	...	...	1	...
Dis. of Early Infancy and Malformations	185	77	30	10	19	5	10	6	4
Suicide	9	4	4	1	...	...	...	...	...
Other Violent Deaths	95	38	14	8	9	1	6	1	...
Other Defined Diseases	337	135	66	25	15	16	13	8	9
Causes Ill-defined or Unknown ...	41	20	6	2	4	1	2	1	...
All Causes ...	2175	980	390	147	135	77	82	44	33
AGE AT DEATH.									
Under 1	324	151	50	14	24	13	14	12	5
1– 4	175	98	26	12	10	6	5	3	4
5– 9	46	20	5	4	1	...	1	4	1
10–14	27	13	3	...	4	...	2	...	1
15–24	104	49	13	8	5	6	6	...	2
25–34	99	45	20	5	3	2	8	2	...
35–44	119	51	23	9	8	5	6	1	2
45–54	240	108	42	19	12	7	8	7	5
55–64	331	160	62	20	16	12	7	4	5
65–74	401	177	78	30	28	11	10	6	2
75–84	257	90	54	22	20	14	12	3	5
85 and over	52	18	14	4	4	1	3	2	1
All Ages ...	2175	980	390	147	135	77	82	44	33

DEATHS IN EACH TOWN (corrected for Transfers)—September 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	1	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	1	...	...
Whooping-cough	1	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...
Influenza...	...	...	...	1	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	1	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	3	...	3	3	...	3	...	...
Tuberculous Meningitis	...	1	1	...	...	1	...	1
Tuber. of Intestines and Peritoneum ...	...	...	...	...	...	2	...	1
Other Tuberculous Disease	...	...	1	...	1	...	1	1
Malignant Tumours	4	8	5	1	7	2	4	4
Rheumatic Fever	...	...	...	...	...	...	1	1
Meningitis (not Cerebro-spinal or Tuber.)	3	...	...	1	...	...	...	...
Apoplexy	2	1	6	2	9	1	4	4
Heart Disease	6	4	3	1	4	3	4	7
Diseases of Arteries	...	...	2	...	3	...	...	2
Bronchitis	1	2	2	2	1	1	...	2
Pneumonia (all forms)	2	3	2	1	1	1	2	...
Other Diseases of Respiratory System	...	2	...	...	1	...	1	...
Diarrhœa and Enteritis (under 2 years)	1	...	1	1	...	1	...	...
Appendicitis	...	...	1	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	1	...
Nephritis, Acute and Chronic... ...	1	1	1	2	3	3	...	1
Puerperal Sepsis	...	...	...	3	1	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	1	1	...	...	...	...	1	...
Dis. of Early Infancy and Malformations	7	3	2	3	4	2	1	2
Suicide	...	...	...	...	...	...	...	...
Other Violent Deaths	4	3	3	1	5	1	...	1
Other Defined Diseases	7	7	11	7	4	2	9	3
Causes Ill-defined or Unknown ...	1	...	...	2	2	...	...	...
All Causes ...	45	37	44	31	46	24	30	30
AGE AT DEATH.								
Under 1	10	7	4	6	5	4	2	3
1– 4	3	2	1	1	2	1	...	1
5– 9	3	...	4	1	1	1	...	...
10–14	2	...	...	...	...	...	1	1
15–24	2	...	5	3	1	2	...	2
25–34	1	2	2	4	1	1	3	...
35–44	3	1	...	1	1	1	4	3
45–54	8	5	4	6	3	2	3	1
55–64	6	8	9	4	5	2	5	6
65–74	4	5	9	2	18	7	9	5
75–84	3	6	6	3	7	3	3	6
85 and over	...	1	...	...	2	...	...	2
All Ages ...	45	37	44	31	46	24	30	30

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·305	29·781	58·1	46·4	52·3	−1·0	71	30*th*	40	20*th*	51·6	3·0	·306	80	18	1·60	−0·28	0	0	0	1	5	25	18	6	5
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·565	29·744	58·7	45·4	52·1	−1·4	67	30*th*	39	20*th*	51·4	2·3	·321	85	17	2·40	+0·32	0	2	0	3	0	43	1	11	0
ABERDEEN.* The Meteorological Office.	90	29·620	29·721	58·6	45·7	52·2	−0·8	73	30*th*	35	20*th*	50·8	1·9	·324	87	16	3·71	+1·49	1	0	0	2	9	22	11	12	3
PAISLEY, The Coats Observatory.	107	29·654	29·772	58·3	46·8	52·6	−2·3	67	30*th*	38	2, 24	52·5	2·2	·336	85	25	7·84	+4·83	1	0	2	1	6	20	15	7	8
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·527	29·783	56·6	47·6	52·1	−1·7	64	30*th*	41	24*th*	52·0	2·9	·313	81	27	11·67	+6·92	0	1	5	4	0	21	18	11	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·724	29·748	60·1	45·2	52·7	−0·6	68	30*th*	33	3*rd*	..	..	..	..	12	3·06	+0·83	1	2	0	2	6	21	17	11	0
Means	176	29·566	29·758	58·4	46·2	52·3	−1·3	..	..	..	..	51·7	2·5	·320	84	19	5·05	+2·35	1	1	1	2	4	25	13	10	3

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

OCTOBER 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of October 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4949 living children, of whom 2531 were males and 2418 were females. Compared with the number in the previous month that of male children is 340 more, that of female children 240 more, and that of children of both sexes is 580 more. Compared with the mean of the numbers of the three preceding months that of male children is 175 more, of female children 102 more, and of children of both sexes 277 more. Compared with the number in October of last year that of male children is 101 more, of female children 83 more, and of children of both sexes 184 more.

The monthly birth-rate in these burghs taken collectively was 24·3. This rate is 2·1 more than that of the previous month, 1·1 more than the mean of those of the three preceding months, and 0·6 more than that of October of last year. In the individual towns the monthly birth-rate varied from 30·4 in Hamilton, 28·0 in Greenock, 28·0 in Perth, and 27·4 in Ayr, to 20·9 in Edinburgh, and 21·0 in Motherwell and Wishaw and in Dunfermline. In Clydebank this rate was 26·4, in Aberdeen 26·2, in Glasgow 25·4, in Dundee 23·6, in Kilmarnock 23·5, in Coatbridge 23·4, in Paisley 22·9, in Falkirk 21·8, and in Kirkcaldy 21·7.

Of the 4949 children whose births were registered during the month 4630, or 93·6 per cent., were legitimate, while 319, or 6·4 per cent., were illegitimate. The legitimate children of the month numbered 549 more than in the previous month, 285 more than the mean of the numbers of the three preceding months, and 211 more than in October of last year. The illegitimate children of the month numbered 31 more than in the previous month, but 8 less than the mean of the numbers of the three preceding months, and 27 less than in October of last year. The illegitimate rate is 0·2 less than that of the previous month, 0·6 less than the mean of those of the three preceding months, and 0·9 less than that of October of last year. In the individual towns this rate varied from 9·6 per cent. in Dundee and in Kilmarnock, 8·4 in Aberdeen, and 8·3 in Ayr, to 1·9 in Clydebank, 2·3 in Motherwell and Wishaw, and 2·5 in Perth. In Edinburgh this rate was 7·8, in Kirkcaldy 6·8, in Hamilton 6·7, in Greenock 6·2, in Glasgow 6·0, in Falkirk 4·7, in Coatbridge 4·5, in Dunfermline 4·1, and in Paisley 3·0.

Marriages registered in these towns during the month numbered 1708. This number is 253 less than that of the previous month, and 397 less than the mean of those of the three preceding months, but is 45 more than that of October of last year. The monthly marriage-rate was 8·4 per thousand. It is 1·6 less than that of the previous month, and 2·1 less than the mean of those of the three

preceding months, but is 0·1 more than that of October of last year. In the individual towns this rate varied from 9·6 in Perth, 9·5 in Glasgow, and 9·4 in Kilmarnock and in Kirkcaldy, to 3·2 in Clydebank, 3·4 in Coatbridge, and 5·5 in Greenock, in Dunfermline, and in Falkirk. In Edinburgh this rate was 9·2, in Aberdeen 7·9, in Paisley 7·8, in Dundee 7·0, in Motherwell and Wishaw 6·7, in Ayr 6·5, and in Hamilton 6·1.

Deaths registered in these towns numbered 2471, of which 1252 were of males, and 1219 of females. Compared with the number in the previous month, that of males is 76 more and that of females is 131 more. These 2471 deaths include those of 245 persons with usual residence outwith the town of registration, but exclude those of 130 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 115, falls to be deducted to get the corrected number, which is thus found to be 2356. This number is 181 more than that of the previous month, and 139 more than the mean of those of the three preceding months, but is 48 less than that of October of last year.

The monthly death-rate, based on the corrected number of deaths, is 11·6 per thousand. This rate is 0·6 more than that of the previous month, and the same amount more than the mean of those of the three preceding months, but is 0·3 less than that of October of last year. In the individual towns the monthly death-rate corrected, varied from 12·6 in Coatbridge, 12·5 in Glasgow, 12·3 in Kilmarnock, and 12·2 in Dundee, to 5·5 in Clydebank, 8·3 in Dunfermline, 8·4 in Motherwell and Wishaw, and 8·5 in Ayr. In Falkirk this rate was 11·9, in Aberdeen 11·8, in Edinburgh 11·5, in Paisley 10·8, in Hamilton 10·2, in Perth 9·9, in Kirkcaldy 9·7, and in Greenock 9·5.

Deaths of children of less than one year old numbered 326. This number is 2 more than that of the previous month, and 13 more than the mean of those of the three preceding months, but is 75 less than that of October of last year. These deaths equal an infantile mortality rate of 66 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 2 less than that of the previous month, and 11 less than that of October of last year, but is 2 more than the mean of those of the three preceding months. In the individual towns this death-rate varied from 86 in Paisley, 84 in Dundee, and 82 in Coatbridge, to 16 in Perth, 28 in Dunfermline, and 29 in Falkirk. In Kirkcaldy this rate was 78, in Aberdeen 73, in Glasgow 70, in Ayr 67, in Motherwell and Wishaw 56, in Kilmarnock 56, in Edinburgh 55, in Greenock 53, in Hamilton 53, and in Clydebank 44.

Deaths from the principal epidemic diseases numbered 154, and equalled a death-rate of 0·8 per thousand. These deaths are 5 more than in the previous month, 9 more than the mean of the numbers of the three preceding months, and 5 more than in October of last year. This death-rate is the same as that of the previous month, but is 0·1 more than the mean of those of the three preceding months, and the same amount more than that of October of last year. These 154 deaths include 46 from measles, 24 from scarlet fever, 18 from whooping-cough, 20 from diphtheria, and 46 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from measles are 15 more, from diphtheria 5 more, and from scarlet fever 4 more, but deaths from whooping-cough are 8 fewer, and from the diarrhœas of childhood 11 fewer. In October, as also in September, there were no deaths from enteric fever registered in these towns.

Deaths from influenza in all numbered 9. In July these deaths numbered 7, in August 4, and in September 8.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, in all numbered 313, and included 176 from pneumonia and 104 from bronchitis. Collectively these deaths numbered 58 more than in September, but 46 fewer than in October of last year.

Deaths from all forms of tuberculosis numbered 229, of which 165 were ascribed to tuberculosis of the respiratory system. The former number is 27 more than in September, and 5 more than in October of last year. The latter number is 26 more than in September, and 6 more than in October of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1923.

Mean barometric pressure, 29·449 in.; less than the average of 1881–1915 by 0·399 in.

Mean temperature, 47°·9; greater by 0°·6.

Mean daily range of temperature, 9°·9; less by 1°·9.

Rain, depth in inches, 4·23; greater by 0·84 in.

Wind, direction of: a 9 days' excess of south-westerly winds.

Hence the month was characterised by an abnormally low mean pressure; a slightly high mean temperature, with a very low mean daily range; a rather high mean rainfall; and a large excess of south-westerly winds.

Deep depressions off the north-west coast were very persistent, notably between 21st and 28th, and with frequent secondaries further south conditions were of an extremely disturbed type. At Edinburgh, at sea-level, pressure exceeded 30 in. only on 4th, and so low a mean for October (29·467 in.) has occurred during the last hundred years only in 1903.

After fairly high readings on 1st (64° at Edinburgh) temperature seldom rose above a moderate level, with lowest readings on 5th or on 14th (24° at Wolfelee). At times night temperature was rather high, but during relatively quiet conditions which obtained for a few days about the middle of the month ground frost occurred. The coldest days were very generally 4th, 16th, 23rd and 24th, and the warmest nights 18th or 30th. In most districts the mean temperature of the month differed but little from the normal, and, with days rather below the normal and nights decidedly above, the mean daily range of temperature was unusually low.

South-westerly winds again brought a large rainfall excess to western and southern districts, though the month was less wet than in 1917 or 1918, and in the West Highlands, Glenquoich had 18·82 in. (or 188 per cent. of the normal) and Kinlochquoich 22·53 in. In extreme north also there was a decided excess, but along the east coast from Montrose southwards a well-defined though moderate shortage. Within the very wet areas some districts had rain on every day; extremely wet periods from 8th to 12th and from 20th to 29th were separated by a relatively dry interval; whilst the heaviest falls occurred in north-west and west on 20th (2·45 in. at Portree), and in south on 26th or 29th. In the dry area but little rain fell between 11th and 19th, and at Edinburgh the aggregate was largely accounted for between 8th and 10th and between 23rd and 25th.

In west and south the month was the fourth wet one in succession, and at *e.g.* Colmonell (South Ayrshire) and Rothesay the July-October period of 1923 was the wettest on record.

Much stormy weather occurred, notably on 9th, when a violent westerly gale was general, and around 27th; and early in the month snow fell at high levels in the north. Flooding occurred in places,—in the Nith valley on 9th, 26th, 27th and 28th.

A thunderstorm of considerable local severity occurred in various western and southern districts on 27th.

The month was cloudy in western districts, but in the east sunshine amounts were above the normal. At Aberdeen it was the sunniest October on record; and at Edinburgh the sunniest since 1904.

Aurora was observed at Orkney on 14th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, October 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1165	1085	2250	2114	136	838	592	558	1150	92	50	1108
EDINBURGH.	420,264	426,000	385	370	755	696	59	332	238	228	466	61	10	415
DUNDEE,	168,315	176,000	167	186	353	319	34	104	87	97	184	10	8	182
ABERDEEN,	158,963	160,200	192	164	356	326	30	108	79	95	174	23	10	161
PAISLEY,	84,837	85,900	84	83	167	162	5	57	44	38	82	6	3	79
GREENOCK,	81,123	81,600	106	88	194	182	12	38	37	32	69	4	1	66
MOTHERWELL AND WISHAW,	68,869	71,700	59	69	128	125	3	41	17	28	45	1	7	51
CLYDEBANK,	46,506	47,200	50	56	106	104	2	13	8	6	14	1	9	22
COATBRIDGE,	43,909	44,800	42	47	89	85	4	13	22	24	46	1	3	48
DUNFERMLINE,	39,899	41,000	36	37	73	70	3	19	15	19	34	8	3	29
KIRKCALDY,	39,591	40,200	42	32	74	69	5	32	17	13	30	1	4	33
HAMILTON,	39,420	40,300	54	50	104	97	7	21	15	10	25	0	10	35
KILMARNOCK,	35,911	36,500	36	37	73	66	7	29	27	20	47	13	4	38
AYR,	35,763	36,100	39	45	84	77	7	20	12	16	28	4	2	26
FALKIRK,	33,308	34,500	33	31	64	61	3	16	22	12	34	4	5	35
PERTH,	33,208	33,200	41	38	79	77	2	27	20	23	43	16	1	28
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2531	2418	4949	4630	319	1708	1252	1219	2471	245	130	2356

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, October 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	25·4	6·0	9·5	13·0	12·5	1·2	1·3	0·9	1·8	160	70
EDINBURGH,	20·9	7·8	9·2	12·9	11·5	0·6	1·1	0·9	1·1	42	55
DUNDEE,	23 6	9·6	7·0	12·3	12 2	0·3	1·3	0·8	1·8	30	84
ABERDEEN,	26 2	8·4	7·9	12·8	11·8	0·2	1 0	0·6	1·8	24	73
PAISLEY,	22·9	3·0	7·8	11·2	10·8	0·3	1·5	1·4	1·2	15	86
GREENOCK,	28·0	6·2	5·5	10·0	9·5	0·4	0·3	0·3	1·2	10	53
MOTHERWELL AND WISHAW,	21·0	2·3	6·7	7·4	8·4	0·5	0·7	0·5	1·5	8	56
CLYDEBANK,	26·4	1·9	3·2	3·5	5·5	1·0	0·7	0·5	0 5	4	44
COATBRIDGE,	23·4	4 5	3·4	12·1	12·6	1·1	1·1	0·5	1·1	8	82
DUNFERMLINE,	21·0	4·1	5·5	9·8	8 3	0·3	1·1	0·6	1·4	2	28
KIRKCALDY,	21·7	6·8	9·4	8·8	9·7	0·6	0·6	0 3	1·2	6	78
HAMILTON,	30·4	6 7	6·1	7·3	10·2	0 0	0·0	0·0	0·3	5	53
KILMARNOCK,	23·5	9·6	9·4	15·2	12·3	0·0	1·3	1·3	2·9	4	56
AYR,	27·4	8·3	6·5	9·1	8·5	0·0	0 0	0·0	1·0	5	67
FALKIRK,	21·8	4·7	5·5	11·6	11·9	0·3	0·7	0·3	1·4	2	29
PERTH,	28·0	2·5	9·6	15·2	9·9	0·4	1·8	1·1	0·7	1	16
TOTAL (SIXTEEN TOWNS)	24·3	6·4	8·4	12·1	11·6	0·8	1·1	0·8	1·5	326	66

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR OCTOBER 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
OCT. 1923, .	**24·3**	**6·4**	**8·4**	**11·6**	**0**	**0**	**46**	**24**	**18**	**20**	**46**	**66**	**47°·9**
OCT. 1922, .	23·7	7·3	8·3	11·9	3	0	31	18	22	19	56	77	46°·5
OCT. 1921, .	26·8	7·5	8·6	12·7	2	0	1	12	20	21	115	89	52°·7
OCT. 1920, .	27·9	7·9	9·5	12·8	5	9	4	13	15	29	90	90	49°·1
OCT. 1919, .	29·7	7·5	10·8	11·9	6	0	18	18	14	43	57	92	46°·8
OCT. 1918, .	22·1	9·1	9·7	28·7	5	0	8	12	63	48	62	138	48°·0
OCT. 1917, .	20·3	8·6	7·8	12·4	6	0	31	11	52	38	90	99	43°·9
OCT. 1916, .	23·5	8·4	7·2	14·0	14	0	49	26	13	33	155	113	47°·9
OCT. 1915, .	22·4	6·5	8·3	15·6	10	0	67	74	12	47	172	140	46·9
OCT. 1914, .	27·0	7·1	7·0	15·1	22	0	7	63	45	75	171	123	49°·3
OCT. 1913, .	26·7	6·9	7·2	14·5	14	0	63	47	17	53	151	117	50°·3

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	46	26	20	12	31	2	1	–	–	–	–	–	–	–	–
Scarlet Fever	24	9	15	1	20	3	–	–	–	–	–	–	–	–	–
Whooping-cough	18	10	8	6	12	–	–	–	–	–	–	–	–	–	–
Diphtheria	20	14	6	2	15	3	–	–	–	–	–	–	–	–	–
Influenza	9	5	4	–	1	–	–	2	–	–	4	1	1	–	–
Encephalitis Lethargica	3	1	2	–	1	–	–	1	–	–	1	–	–	–	–
Cerebro-spinal Meningitis	5	3	2	1	3	–	–	–	–	–	1	–	–	–	–
Other Epidemic Diseases	10	6	4	3	–	–	–	–	1	–	2	2	–	2	–
Tuberculosis of Respiratory System	165	85	80	–	1	1	8	34	33	40	29	16	3	–	–
Tuberculous Meningitis	22	17	5	6	10	1	1	2	–	1	1	–	–	–	–
Tuberculosis of Intestines and Peritoneum	20	8	12	2	9	3	1	3	1	–	1	–	–	–	–
Other Tuberculous Disease	22	12	10	3	3	4	2	5	2	2	1	–	–	–	–
Malignant Tumours	274	124	150	–	2	–	–	2	6	20	57	94	65	25	3
Rheumatic Fever	4	–	4	–	–	–	–	3	–	–	–	1	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	22	15	7	5	11	3	–	1	–	1	–	–	1	–	–
Apoplexy	188	77	111	1	–	–	–	–	1	1	16	55	72	36	6
Heart Disease	237	93	144	–	–	2	2	12	13	14	28	43	78	32	13
Diseases of Arteries	39	23	16	–	–	–	–	–	–	2	3	7	14	11	2
Bronchitis	104	59	45	13	2	1	–	–	3	5	5	15	28	25	7
Pneumonia (all forms)	176	111	65	36	36	6	3	11	7	8	15	22	21	10	1
Other Diseases of Respiratory System	33	14	19	4	4	1	–	–	2	4	3	4	2	8	1
Diarrhœa and Enteritis (under 2 years)	46	27	19	38	8	–	–	–	–	–	–	–	–	–	–
Appendicitis	25	12	13	1	1	1	4	4	3	–	4	5	2	–	–
All Diseases of Liver (not Malignant)	12	4	8	–	–	–	–	–	1	1	2	3	4	1	–
Nephritis, Acute and Chronic	68	37	31	–	1	1	–	4	4	13	13	20	10	1	1
Puerperal Sepsis	6	–	6	–	–	–	–	3	3	–	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	22	–	22	–	–	–	–	6	8	8	–	–	–	–	–
Diseases of Early Infancy and Malform.	161	93	68	159	2	–	–	–	–	–	–	–	–	–	–
Suicide	14	12	2	–	–	–	–	–	1	2	4	4	3	–	–
Other Violent Deaths	95	59	36	6	15	8	2	5	11	13	10	11	7	4	3
Other Defined Diseases	420	219	201	24	21	7	10	19	21	31	50	54	72	81	30
Causes Ill-defined or Unknown	46	26	20	3	1	–	–	1	–	5	8	11	9	4	4
	2356	1201	1155	326	210	47	34	118	121	171	258	368	392	240	71

DEATHS IN EACH TOWN (corrected for Transfers)—October 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	46	44	...	...	...	...	...	...	2
Scarlet Fever	24	7	10	...	...	1	1	...	1
Whooping-cough	18	15	1	...	...	...	...	1	...
Diphtheria	20	13	4	3	...	...	...	...	...
Influenza	9	5	2	...	...	...	...	...	...
Encephalitis Lethargica	3	2	...	...	...	...	...	1	...
Cerebro-spinal Meningitis	5	5	...	...	...	...	...	...	...
Other Epidemic Diseases	10	5	2	3	...	...	...	...	...
Tuberculosis of Respiratory System ...	165	83	32	12	8	10	2	3	2
Tuberculous Meningitis	22	13	3	2	2	...	...	...	...
Tuber. of Intestines and Peritoneum	20	7	3	3	2	1	...	1	...
Other Tuberculous Disease	22	11	3	3	1	...	...	...	1
Malignant Tumours	274	113	56	22	25	12	7	6	...
Rheumatic Fever	4	3	1	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	22	7	4	2	1	1	3	2	...
Apoplexy	188	93	37	13	10	6	4	3	1
Heart Disease	237	92	52	18	17	8	3	4	3
Diseases of Arteries	39	18	7	5	2	...	1	...	...
Bronchitis	104	51	17	6	6	4	4	3	...
Pneumonia (all forms)	176	95	19	17	17	4	4	3	2
Other Diseases of Respiratory System	33	14	5	4	2	1	...	3	...
Diarrhœa and Enteritis (under 2 years)	46	25	7	1	3	1	2	2	1
Appendicitis	25	10	3	1	2	1	1	...	1
All Diseases of Liver (not Malignant)	12	6	1	...	...	1	...	...	...
Nephritis, Acute and Chronic ...	68	28	14	3	11	1	4	2	1
Puerperal Sepsis	6	3	...	...	1	...	1	1	...
Other Diseases and Accidents of Pregnancy and Parturition	22	10	5	1	...	...	...	1	1
Dis. of Early Infancy and Malformations	161	67	24	15	14	10	5	4	3
Suicide	14	10	2	...	1	...	...	...	...
Other Violent Deaths	95	44	16	6	6	1	1	4	1
Other Defined Diseases	420	183	81	40	27	15	21	4	2
Causes Ill-defined or Unknown ...	46	26	4	2	3	1	2	3	...
All Causes ...	2356	1108	415	182	161	79	66	51	22
AGE AT DEATH.									
Under 1	326	160	42	30	24	15	10	8	4
1– 4	210	123	28	12	14	4	7	4	3
5– 9	47	22	5	3	1	1	2	2	4
10–14	34	14	9	1	1	2	2	1	...
15–24	118	59	19	9	7	2	4	4	6
25–34	121	58	21	10	8	5	3	4	...
35–44	171	83	26	12	12	7	5	6	1
45–54	258	116	52	16	23	6	8	5	1
55–64	368	189	59	28	24	10	10	6	2
65–74	392	169	75	31	23	14	7	8	1
75–84	240	93	54	24	16	10	8	2	...
85 and over	71	22	25	6	8	3	...	1	...
All Ages ...	2356	1108	415	182	161	79	66	51	22

DEATHS IN EACH TOWN (corrected for Transfers)—October 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	2	1	...	...	...	...	1	...
Whooping-cough	1	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...
Influenza...	...	...	1	...	...	...	1	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	2	2	1	...	4	...	1	3
Tuberculous Meningitis	1	...	1	...	...	...	...	...
Tuber. of Intestines and Peritoneum ...	...	2	...	...	...	...	...	1
Other Tuberculous Disease	1	...	...	...	...	...	1	1
Malignant Tumours	4	4	5	1	5	2	6	6
Rheumatic Fever	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	1	...	...	...
Apoplexy	3	1	3	2	4	1	3	4
Heart Disease	6	3	2	13	2	6	5	3
Diseases of Arteries	1	1	...	...	...	1	...	3
Bronchitis	4	1	1	...	4	...	2	1
Pneumonia (all forms)	...	3	3	1	3	3	2	...
Other Diseases of Respiratory System	...	1	...	...	2	...	...	1
Diarrhœa and Enteritis (under 2 years)	1	...	2	...	...	...	...	1
Appendicitis	...	1	...	3	2	...	...	...
All Diseases of Liver (not Malignant)	...	1	...	...	...	2	1	...
Nephritis, Acute and Chronic... ...	...	...	...	...	1	2	...	1
Puerperal Sepsis	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	2	...	1	1
Dis. of Early Infancy and Malformations	5	...	3	3	2	4	1	1
Suicide	...	...	...	1	...	...	...	...
Other Violent Deaths	3	3	4	...	...	...	6	...
Other Defined Diseases	11	5	6	9	6	5	4	1
Causes Ill-defined or Unknown ...	2	...	1	2	...	...	...	...
All Causes ...	48	29	33	35	38	26	35	28
AGE AT DEATH.								
Under 1	8	2	6	5	4	5	2	1
1– 4	5	2	1	...	2	1	2	2
5– 9	1	1	...	2	1	...	1	1
10–14	...	...	...	...	3	...	...	1
15–24	3	1	1	...	1	...	1	1
25–34	...	1	2	2	3	...	2	2
35–44	5	1	1	1	3	1	6	1
45–54	4	4	6	5	3	2	7	...
55–64	8	3	7	4	4	6	3	5
65–74	7	9	1	13	8	8	8	10
75–84	5	5	7	3	6	2	3	2
85 and over	2	...	1	...	...	1	...	2
All Ages ...	48	29	33	35	38	26	35	28

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of OCTOBER 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	28·982	29·467	52·4	42·7	47·6	+0·2	64	1st	35	14th	46·6	2·8	·254	81	20	1·80	-0·80	1	0	0	2	6	23	19	6	5
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·250	29·431	52·1	41·4	46·8	+0·1	60	1st	32	14th	45·9	2·0	·265	86	21	2·23	-0·45	0	2	0	5	0	37	1	17	0
ABERDEEN,* The Meteorological Office.	90	29·307	29·408	53·0	42·0	47·5	+0·2	60	1st	34	5th	45·9	2·1	·263	86	19	3·51	+0·51	1	0	0	2	12	25	12	8	2
PAISLEY, The Coats Observatory.	107	29·363	29·482	53·1	44·2	48·7	+0·3	58	1, 19	36	4, 14	48·2	2·3	·281	84	27	5·74	+2·00	0	0	1	2	7	22	20	4	6
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·215	29·472	52·1	44·7	48·4	+0·9	58	18th	38	14th	47·6	2·5	·270	83	29	9·37	+3·99	0	0	2	3	5	16	34	2	0
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·410	29·434	54·2	42·3	48·3	+1·9	60	1st	30	13th	48·4	3·0	·269	80	16	2·70	-0·25	2	0	0	4	1	42	5	8	0
Means	176	29·255	29·449	52·8	42·9	47·9	+0·6	..	..	..	..	47·1	2·4	·267	83	22	4·23	+0·84	1	0	1	3	5	27	15	8	2

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

NOVEMBER 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of November 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4498 living children, of whom 2270 were males and 2228 were females. Compared with the number in the previous month that of male children is 261 less, that of female children 190 less, and that of children of both sexes is 451 less. Compared with the mean of the numbers of the three preceding months that of male children is 107 less, that of female children 73 less, and of children of both sexes 181 less. Compared with the number in November of last year that of male children is 146 more, that of female children 92 more, and that of children of both sexes 238 more.

The monthly birth-rate in these burghs taken collectively was 22·8. This rate is 1·5 less than that of the previous month, and 0·4 less than the mean of the numbers of the three preceding months, but is 0·9 more than that of November of last year. In the individual towns the monthly birth-rate varied from 27·0 in Ayr, 26·9 in Coatbridge, 24·9 in Glasgow, and 24·4 in Motherwell and Wishaw, to 16·6 in Dunfermline, 18·3 in Kilmarnock, and 18·5 in Edinburgh. In Greenock this rate was 23·4, in Falkirk 22·9, in Aberdeen 22·8, in Kirkcaldy 22·1, in Paisley 22·0, in Hamilton 22·0, in Dundee 21·8, in Clydebank 21·4, and in Perth 21·2.

Of the 4498 children whose births were registered during the month 4239, or 94·2 per cent., were legitimate, while 259, or 5·8 per cent., were illegitimate. The legitimate children of the month numbered 391 fewer than in the previous month, and 126 less than the mean of the numbers of the three preceding months, but 263 more than in November of last year. The illegitimate children of the month numbered 60 less than in the previous month, 55 less than the mean of the three preceding months, and 25 less than in November of last year. The illegitimate rate is 0·6 less than in the previous month, 0·9 less than the mean of those of the three preceding months, and 0·9 less than that of November of last year. In the individual towns this rate varied from 8·6 in Perth, 8·3 in Greenock, 8·0 in Edinburgh, and 7·0 in Dundee, to 0·0 in Dunfermline, 1·4 in Motherwell and Wishaw, 1·4 in Hamilton, and 2·0 in Coatbridge. In Aberdeen this rate was 6·0, in Glasgow 5·8, in Kilmarnock 5·5, in Clydebank 4·8, in Falkirk 4·6, in Ayr 3·8, in Paisley 3·2, and in Kirkcaldy 2·7.

Marriages registered in these towns during the month numbered 1109. This number is 599 less than in the previous month, 638 less than the mean of those of the three preceding months, and 173 less than that of November of last year. The monthly marriage-rate was 5·6 per thousand. It is 2·8 less than that of the previous month, 3·1 less than the mean of those of the three preceding

months, and 1·0 less than that of November of last year. In the individual towns this rate varied from 9·2 in Perth, 7·4 in Aberdeen, 7·0 in Kilmarnock, and 6·9 in Edinburgh, to 2·1 in Kirkcaldy, 2·1 in Hamilton, 2·3 in Clydebank, and 2·4 in Motherwell and Wishaw. In Glasgow this rate was 5·9, in Falkirk 5·3, in Ayr 5·1, in Greenock 4·9, in Dundee 4·5, in Paisley 4·3, in Coatbridge 4·1, and in Dunfermline 2·7.

Deaths registered in these towns numbered 2762, of which 1370 were males, and 1392 were females. Compared with the number in the previous month, that of males is 118 more and that of females 173 more. These deaths include those of 253 persons with usual residence outwith the town of registration, but exclude those of 150 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 103, falls to be deducted to get the corrected number, which is thus found to be 2659. This number is 303 more than that of the previous month, and 421 more than the mean of those of the three preceding months, but is 241 less than that of November of last year.

The monthly death-rate, based on the corrected number of deaths, is 13·5 per thousand. This rate is 1·9 more than that of the previous month, and 2·4 more than the mean of the numbers of the three preceding months, but is 1·4 less than that of November of last year. In the individual towns the monthly death-rate, corrected, varied from 15·5 in Greenock, 15·5 in Coatbridge, 15·0 in Kilmarnock, and 14·8 in Glasgow, to 8·0 in Dunfermline, 8·5 in Clydebank, 10·0 in Motherwell and Wishaw, and 10·3 in Perth. In Edinburgh this death-rate was 13·3, in Ayr 12·8, in Dundee 12·6, in Paisley 12·2, in Aberdeen 12·1, in Kirkcaldy 12·1, in Falkirk 11·6, and in Hamilton 10·6.

Deaths of children of less than one year old numbered 354. This number is 28 more than that of the previous month, and 41 more than the mean of the numbers of the three preceding months, but is 155 less than that of the corresponding month of last year. These deaths equal an infantile mortality rate of 73 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 7 more than that of the previous month, and 9 more than the mean of the numbers of the three preceding months, but is 29 less than that of November of last year. In the individual towns this death-rate varied from 104 in Aberdeen, 88 in Greenock, 86 in Glasgow, and 75 in Falkirk, to 11 in Clydebank, 28 in Motherwell and Wishaw, and 34 in Perth. In Edinburgh this rate was 68, in Coatbridge 63, in Dundee 57, in Kilmarnock 57, in Kirkcaldy 53, in Hamilton 44, in Dunfermline 43, in Paisley 41, and in Ayr 41.

Deaths from the principal epidemic diseases numbered 241, and equalled a death-rate of 1·2 per thousand. These deaths are 87 more than in the previous month, 91 more than the mean of the numbers of the three preceding months, and 18 more than in November of last year. This rate is 0·4 more than that of the previous month, 0·4 more than the mean of the numbers of the three preceding months, and 0·1 more than in the corresponding month of last year. These 241 deaths include 3 from enteric fever, 119 from measles, 16 from scarlet fever, 35 from whooping-cough, 37 from diphtheria, and 31 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from the diarrhœas of childhood are 15 fewer, and those from scarlet fever are 8 fewer, but those from enteric fever are 3 more, from diphtheria 17 more, from whooping-cough 17 more, and from measles 73 more.

Deaths from influenza in all numbered 18. In August these deaths numbered 4, in September 8, and in October 9.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, in all numbered 405, and included 196 from pneumonia and 178 from bronchitis. Collectively these deaths numbered 92 more than in the previous month, but 237 fewer than those of November of last year.

Deaths from all forms of tuberculosis numbered 250, of which 173 were ascribed to tuberculosis of the respiratory system. The former number is 21 more than last month, and 35 more than that of November of last year. The latter number is 8 more than last month, and 29 more than in November of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1923.

Mean barometric pressure, 29·633 in.; less than the average of 1881–1915 by 0·188 in.

Mean temperature, 38°·1; less by 3°·9.

Mean daily range of temperature, 8°·8; less by 1°·1.

Rain, depth in inches, 3·15; less by 0·35 in.

Wind, direction of: a 4 days' excess of south-westerly winds.

Hence the month was characterised by a very low mean pressure; a very low mean temperature, with a rather low mean daily range; a slightly low mean rainfall; and an excess of south-westerly winds.

The more notable pressure fluctuations in a month with much stormy weather occurred, — on 3rd, when a depression passed northwards of Scotland to Scandinavia; on 13th and 14th, when another moved rather rapidly from the north of Ireland on a north-easterly course; and on 15th and 16th, when yet another moved from off the north-west of Ireland to the south of Norway. From about 20th to 25th an Atlantic "High" was dominant.

Temperature was at first fairly high, but northerly winds, which sprang up in the rear of the depression of 3rd, brought very cold weather from 4th to 10th. After a sharp recovery on 11th and 12th (60° at Aberdeen late on the evening of 11th), temperature again fell and remained at a low or very low level until the end of the month, with greatest cold around 15th and during the fourth week. At Renfrew on 23rd the day temperature did not rise above 29°, whilst on the night of 23rd-24th and again on the following night Braemar recorded 10° in screen. The month, though on the whole very cold, was much less cold than the notable November of 1919.

Moderate to very heavy rain was general from 2nd to 4th, with some large falls on 3rd (2·31 in. at Arrochar); and again from 11th to 17th precipitation was very heavy, much of it in the form of snow, more especially on 15th. On that day Balmoral had a "rainfall equivalent" of 1·30 in., and Logie Coldstone of 1·72 in.; and on 16th Oban a rainfall of 1·00 in. Towards the north-east disturbed conditions continued until 23rd, whilst during the last week amounts were relatively unimportant and mostly due to snow. In Central Scotland and in the eastern counties from Kincardine to Fife aggregates were below the normal; elsewhere, as a rule, at least equal to it, with a decided excess in the southern counties and in the extreme north. At Colmonell in south Ayrshire the month, with 6·96 in. or 139 per cent. of the normal, was the wettest November since 1890 (10·21 in.).

There was much stormy weather, notably on 3rd and about the middle of the month. Snow fell on high ground between 6th and 9th, and in various districts on 14th. On 15th, with high winds veering during the passage of the depression noted above, a severe snowstorm was general, with a fall of 4 in. at *e.g.*, Galashiels, and at Braemar of about 20 in. On low ground the snow quickly disappeared, but there were minor falls on some later days.

A thunderstorm was experienced somewhat widely in west and south on night of 3rd-4th, and here and there on 16th or 17th.

Sunshine amounts were as a rule fully equal to the normal; at Aberdeen, where the month was the sunniest November since 1910, decidedly above it. The first week or so was very sunny in east and north, whilst a good deal of fog occurred during the last ten days.

Aurora was observed in Shetland on 7th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, NOVEMBER 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1068	1067	2135	2011	124	504	650	668	1318	103	53	1268
EDINBURGH,	420,264	426,000	323	321	649	597	52	242	262	251	513	60	12	465
DUNDEE,	168,315	176,000	157	159	316	294	22	65	86	97	183	9	8	182
ABERDEEN,	158,963	160,200	145	155	300	282	18	98	76	83	159	19	19	159
PAISLEY,	84,837	85,900	76	79	155	150	5	30	37	54	91	8	3	86
GREENOCK,	81,123	81,600	95	62	157	144	13	33	62	48	110	6	0	104
MOTHERWELL AND WISHAW,	68 869	71,700	78	66	144	142	2	14	26	20	46	2	15	59
CLYDEBANK,	46,506	47,200	43	40	83	79	4	9	10	13	23	1	11	33
COATBRIDGE,	43,909	44,300	43	56	99	97	2	15	25	30	55	2	4	57
DUNFERMLINE,	39,890	41,000	25	31	56	56	0	9	19	8	27	4	4	27
KIRKCALDY,	39,591	40,200	38	35	73	71	2	7	13	26	39	2	3	40
HAMILTON,	39,420	40,300	40	33	73	72	1	7	14	19	33	2	4	35
KILMARNOCK,	35,911	36,500	30	25	55	52	3	21	22	22	44	7	8	45
AYR,	35,763	36,100	36	44	80	77	3	15	25	22	47	10	1	38
FALKIRK,	33,308	34,500	34	31	65	62	3	15	21	13	34	6	5	33
PERTH,	33,208	33,200	34	24	58	53	5	25	22	18	40	12	0	28
TOTAL (SIXTEEN TOWNS)	2,364,060	2,396,600	2270	2228	4498	4239	259	1109	1370	1392	2762	253	150	2659

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, NOVEMBER 1923.

TOWNS	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	24 9	5·8	5·9	15·4	14·8	2·1	1·5	1·0	2·7	192	86
EDINBURGH,	18·5	8·0	6 9	14·7	13·3	0·5	1·3	1·0	1·7	50	68
DUNDEE,	21 8	7·0	4·5	12·7	12·6	0·8	0·9	0·5	1·1	20	57
ABERDEEN,	22 8	6 0	7·4	12·1	12·1	0·3	0·7	0·5	1·2	33	104
PAISLEY,	22·0	3·2	4·3	12·9	12·2	0·9	1·0	0·9	1·6	7	41
GREENOCK,	23·4	8·3	4·9	16·4	15·5	0·3	1·6	0·9	3·0	16	88
MOTHERWELL AND WISHAW,	24·4	1·4	2·4	7·8	10·0	0·5	1·4	1·0	1·2	4	28
CLYDEBANK,	21·4	4·8	2·3	5·9	8·5	0·5	1·3	1·0	0 5	1	11
COATBRIDGE,	26·9	2·0	4·1	14·9	15·5	1·6	1·9	1·6	1·6	6	63
DUNFERMLINE,	16·6	0·0	2·7	8·0	8·0	0·3	0·3	0·3	0·9	3	43
KIRKCALDY,	22·1	2·7	2·1	11·8	12·1	0·3	0·6	0·3	1·2	4	53
HAMILTON,	22·0	1·4	2·1	10·0	10·6	0 6	1·2	0·9	2 7	4	44
KILMARNOCK,	18·3	5·5	7·0	14·7	15·0	0·0	2 3	1·0	2·3	4	57
AYR,	27·0	3·8	5·1	15·9	12·8	1·7	0 7	0·3	1·3	3	41
FALKIRK,	22·9	4·6	5·3	12·0	11 6	0·4	1·4	0·7	2·8	5	75
PERTH,	21·2	8·6	9·2	14·7	10·3	0·4	0·4	0·0	0·7	2	34
TOTAL (SIXTEEN TOWNS)	22·8	5·8	5·6	14·0	15·5	1·2	1·3	0·9	2·1	354	73

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR NOVEMBER 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
NOV. 1923, .	**22·8**	**5·8**	**5·6**	**13·5**	**3**	**0**	**119**	**16**	**35**	**37**	**31**	**73**	**38°·1**
NOV. 1922, .	21·9	6·7	6·6	14·9	5	0	75	18	52	33	40	102	43°·3
NOV. 1921, .	25·2	6·9	7·1	14·4	6	0	4	17	11	22	67	84	40°·3
NOV. 1920, .	26·9	7·5	10·2	15·6	5	4	7	16	21	45	76	110	45°·5
NOV. 1919, .	28·8	7·5	9·8	14·7	4	0	62	24	11	40	50	114	36°·2
NOV. 1918, .	19·9	9·2	7·7	25·8	3	0	4	13	52	51	34	138	40°·5
NOV. 1917, .	21·0	9·1	8·1	13·2	0	0	46	11	30	45	39	103	45°·2
NOV. 1916, .	24·2	7·3	7·4	15·0	10	0	58	16	18	36	73	107	44°·5
NOV. 1915, .	22·0	6·7	11·2	20·0	8	0	66	57	14	55	78	142	36°·7
NOV. 1914, .	25·3	7·9	7·8	16·9	14	0	16	75	71	62	79	125	43°·1
NOV. 1913, .	22·8	7·1	6·9	15·2	6	0	116	36	19	46	74	128	45°·3

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1–	5–	10–	15–	25–	35–	45–	55–	65–	75–	85 & over.
Enteric Fever	3	2	1	–	–	–	–	1	1	1	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	119	53	66	28	86	5	–	–	–	–	–	–	–	–	–
Scarlet Fever	16	8	8	1	9	4	–	1	–	1	–	–	–	–	–
Whooping-cough	35	12	23	10	22	3	–		–	–	–	–	–	–	–
Diphtheria	37	21	16	–	28	8	1	–	–	–	–	–	–	–	–
Influenza	18	10	8	1	2	–	–	1	3	2	1	2	5	1	–
Encephalitis Lethargica	2	1	1	–	–	–	–	–	–	–	–	1	–	1	–
Cerebro-spinal Meningitis	7	6	1	2	2	–	–	2	1		–	–	–	–	–
Other Epidemic Diseases	4	3	1	1	1	–	–	–	–	–	1	1	–	–	–
Tuberculosis of Respiratory System	173	89	84	2	2	1	3	37	38	34	26	17	9	2	–
Tuberculous Meningitis	30	16	14	4	14	8	1	1	2	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	18	6	12	–	7	3	–	4	–	1	1	2	–	–	–
Other Tuberculous Disease	29	22	7	1	3	3	–	7	4	2	4	1	2	2	–
Malignant Tumours	260	106	154	–	–	–	–	–	7	15	52	81	79	24	2
Rheumatic Fever	8	5	3	–	–	2	2	2	–	1	–	1	–	–	–
Meningitis (not Cer.-spin. or Tuberc.)	24	14	10	7	9	1	2	1	–	1	2	1	–	–	–
Apoplexy	232	102	130	–	–	–	–	–	–	5	18	57	87	55	10
Heart Disease	301	141	160	–	–	4	2	13	9	23	32	62	101	49	6
Diseases of Arteries	27	17	10	–	–	–	–	–	–	–	2	6	8	9	2
Bronchitis	178	97	81	14	4	–	–	–	4	7	13	31	61	38	6
Pneumonia (all forms)	196	102	94	47	38	1	2	5	8	12	13	25	28	16	1
Other Diseases of Respiratory System	31	15	16	5	4	–	–	–	1	3	3	4	5	3	3
Diarrhœa and Enteritis (under 2 years)	31	23	8	27	4	–	–	–	–	–	–	–	–	–	–
Appendicitis	17	10	7	1	–	–	1	1	2	4	4	2	2	–	–
All Diseases of Liver (not Malignant)	17	11	6	1	–	–	–	–	1	1	4	3	5	2	–
Nephritis, Acute and Chronic	77	44	33	–	2	1	1	3	5	8	10	23	11	12	1
Puerperal Sepsis	12	–	12	–	–	–	–	3	7	2	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	21	–	21	–	–	–	–	3	11	7	–	–	–	–	–
Diseases of Early Infancy and Malform.	164	92	72	161	3	–	–	–	–	–	–	–	–	–	–
Suicide	17	12	5	–	–	–	–	1	2	2	3	7	2	–	–
Other Violent Deaths	81	54	27	8	7	7	2	4	8	6	11	11	8	6	3
Other Defined Diseases	426	209	217	30	19	3	8	11	18	34	43	52	86	88	34
Causes Ill-defined or Unknown	48	29	19	3	–	1	2	–	1	4	7	11	12	6	1
	2659	1332	1327	354	266	55	29	101	133	176	250	401	511	314	69

DEATHS IN EACH TOWN (corrected for Transfers)—November 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	3	1	...	...	1	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	119	117	...	...	...	2	...	...	...
Scarlet Fever	16	2	9	...	...	1	...	...	1
Whooping-cough	35	26	1	...	...	...	...	1	1
Diphtheria	37	15	3	10	1	2	1	1	...
Influenza	18	5	6	1	2	...	...	...	...
Encephalitis Lethargica	2	...	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	7	5	1	...	1	...	...	...	...
Other Epidemic Diseases	4	3	...	...	...	...	...	...	1
Tuberculosis of Respiratory System ...	173	85	35	7	7	6	6	6	4
Tuberculous Meningitis	30	18	4	...	...	...	2	2	1
Tuber. of Intestines and Peritoneum	18	11	1	2	...	...	1	...	...
Other Tuberculous Disease	29	11	4	4	2	1	2	...	...
Malignant Tumours	260	110	54	23	14	11	8	5	6
Rheumatic Fever	8	4	3	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	24	12	2	2	1	...	1	1	...
Apoplexy	232	95	44	24	16	6	9	6	2
Heart Disease	301	99	68	27	21	21	13	8	5
Diseases of Arteries	27	10	10	2	3	...	1	1	...
Bronchitis	178	101	19	11	9	4	10	2	2
Pneumonia (all forms)	196	119	31	5	5	6	8	3	...
Other Diseases of Respiratory System	31	9	11	...	2	1	2	2	...
Diarrhœa and Enteritis (under 2 years)	31	17	5	1	2	1	1	1	...
Appendicitis	17	5	5	...	3	2	...	...	...
All Diseases of Liver (not Malignant)	17	9	4	1	1	...	...	...	...
Nephritis, Acute and Chronic ...	77	33	15	4	7	2	3	1	2
Puerperal Sepsis	12	10	1	...	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	21	5	3	3	2	1	1	...	1
Dis. of Early Infancy and Malformations	164	76	25	13	21	5	11	1	...
Suicide	17	6	3	2	1	...	1	...	...
Other Violent Deaths	81	31	21	4	6	1	1	3	2
Other Defined Diseases	426	198	69	32	26	13	18	14	3
Causes Ill-defined or Unknown ...	48	20	7	4	5	...	4	1	1
All Causes ...	2659	1268	465	182	159	86	104	59	33
AGE AT DEATH.									
Under 1	354	192	50	20	33	7	16	4	1
1– 4	266	185	25	9	7	6	8	9	2
5– 9	55	27	4	6	1	4	4	...	1
10–14	29	14	2	3	2	2	1	1	...
15–24	101	44	21	7	8	3	2	1	1
25–34	133	63	23	7	5	8	3	2	5
35–44	176	85	24	11	15	5	6	...	1
45–54	250	129	41	11	9	4	10	7	6
55–64	491	171	80	31	17	13	16	12	11
65–74	511	208	108	37	32	22	22	16	4
75–84	314	124	72	34	22	12	14	6	1
85 and over	69	23	15	6	8	...	2	1	...
All Ages ...	2659	1268	465	182	159	86	104	59	33

DEATHS IN EACH TOWN (corrected for Transfers)—November 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	1	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet Fever	2	...	...	1	...	...	...	...
Whooping-cough	1	...	1	...	...	4	...	...
Diphtheria	3	...	...	1	...	...	...	...
Influenza...	2	1	...	...	1	...	...	...
Encephalitis Lethargica	...	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	6	1	1	3	3	1	2	...
Tuberculous Meningitis	...	...	...	...	2	...	...	1
Tuber. of Intestines and Peritoneum ...	...	...	...	...	1	1	1	...
Other Tuberculous Disease	1	...	1	1	1	...	1	...
Malignant Tumours	3	1	7	2	6	6	2	2
Rheumatic Fever	...	...	...	...	...	1	...	...
Meningitis (not Cerebro-spinal or Tuber.)	2	1	...	1	1	...	...	...
Apoplexy	7	4	1	2	3	6	4	3
Heart Disease	5	2	9	8	6	1	3	5
Diseases of Arteries	...	...	...	...	...	...	...	...
Bronchitis	3	1	1	7	3	1	3	1
Pneumonia (all forms)	3	1	3	2	2	3	4	1
Other Diseases of Respiratory System	...	1	...	...	2	...	1	...
Diarrhœa and Enteritis (under 2 years)	...	1	...	...	...	...	1	1
Appendicitis	...	...	...	1	...	...	...	1
All Diseases of Liver (not Malignant)	...	1	...	...	...	...	...	1
Nephritis, Acute and Chronic... ...	1	1	1	...	3	3	1	...
Puerperal Sepsis	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	2	...	1	...	1	...	...	1
Dis. of Early Infancy and Malformations	2	2	1	2	1	2	1	1
Suicide	...	2	1	...	1	...	...	...
Other Violent Deaths	1	...	1	1	1	3	4	1
Other Defined Diseases	10	6	9	2	7	5	5	9
Causes Ill-defined or Unknown ...	3	1	1	1	...	...	...	...
All Causes ...	57	27	40	35	45	38	33	28
AGE AT DEATH.								
Under 1	6	3	4	4	4	3	5	2
1– 4	5	2	...	2	2	2	1	1
5– 9	2	...	...	2	...	3	...	1
10–14	2	...	1	...	...	1	...	...
15–24	7	...	1	...	...	...	4	2
25–34	4	2	...	2	3	3	3	...
35–44	6	2	4	2	5	4	2	4
45–54	3	2	7	6	4	5	5	1
55–64	8	6	6	8	9	4	3	3
65–74	11	6	8	7	13	5	7	5
75–84	2	3	8	1	2	5	3	5
85 and over	1	1	1	1	3	3	...	4
All Ages ...	57	27	40	35	45	38	33	28

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of NOVEMBER 1923.

OBSERVERS.	Height of Station above Sea level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	Mean of Minimum (B).	Mean of (A and B) (Mean Temperature).	Mean of A and B 1881–1915.	Difference from Average, 1881–1915.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average, 1881–1915.
	feet.	inch.	inch.	°	°	°	°		°		°		°	°	inch.	per cent.		inch.	inch.
GLASGOW.	..	..	..	..	..	..	..		..		..		..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·164	29·651	42·0	33·7	37·9	−4·2		55	11, 12	28	24th	37·7	2·3	·183	80	21	2·25	−0·10
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·431	29·613	41·5	32·4	37·0	−4·3		54	3rd	26	15th	36·9	1·4	·193	89	18	2·24	0·20
ABERDEEN,* The Meteorological Office.	90	29·489	29·591	42·3	34·8	38·6	−3·5		60	11th	28	15, 25	37·6	1·1	·204	91	22	3·12	+0·17
PAISLEY, The Coats Observatory.	107	29·535	29·656	43·2	34·0	38·6	−4·4		55	12th	24	24th	38·6	1·6	·203	87	18	3·65	−0·55
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·397	29·660	42·9	35·6	39·3	−3·4		54	2, 11	29	24th	38·5	1·7	·199	86	23	5·42	−1·00
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·602	29·627	43·0	31·7	37·4	−3·7		55	11th	19	24, 25	36·7	1·6	·187	86	10	2·24	0·64
Means	176	29·436	29·633	42·5	33·7	38·1	−3·9		..	..	..	..	37·7	1·6	·195	86	19	3·15	−0·35

OBSERVERS.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW.	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	2	1	1	2	8	14	19	7	6
DUNDEE, A. MACRAE, Curator of Cemeteries.	1	6	0	2	0	31	0	20	0
ABERDEEN,* The Meteorological Office.	5	0	2	2	0	16	19	14	2
PAISLEY, The Coats Observatory.	2	3	1	1	7	9	15	5	17
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	3	4	10	1	3	13	24	2	0
PERTH,† J. RITCHIE, Jr., The Museum.	10	0	2	2	0	22	13	11	0
Means	4	2	3	2	3	17	15	10	4

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

DECEMBER 1923.

Published by Authority of the Registrar-General.

REPORT.

During the month of December 1923 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4621 living children, of whom 2412 were males and 2209 were females. Compared with the number in the previous month that of male children is 142 more, that of female children 19 fewer, and that of children of both sexes is 123 more. Compared with the mean of the numbers of the three preceding months that of male children is 81 more, that of female children 66 fewer, and that of both sexes 16 more. Compared with the number in December of last year that of male children is 45 fewer, of female children 189 fewer, and of both sexes 234 fewer.

The monthly birth-rate in these burghs taken collectively was 22·7, and this rate is 0·1 less than that of the previous month, 0·4 less than the mean of the three preceding months, and 1·4 less than that of December of last year. In the individual towns the monthly birth-rate varied from 26·8 in Kilmarnock, 24·8 in Dundee, and 24·3 in Glasgow, to 16·7 in Perth, 18·1 in Falkirk, and 18·6 in Ayr. In Greenock it was 24·2, in Hamilton 24·2, in Aberdeen 23·8, in Motherwell and Wishaw 23·0, in Coatbridge 22·6, in Clydebank 21·0, in Paisley 19·7, in Edinburgh 19·4, in Kirkcaldy 19·0 and in Dunfermline 18·7.

Of the 4621 children whose births were registered during the month 4313 or 93·3 per cent. were legitimate, while 308 or 6·7 per cent. were illegitimate. The legitimate children of the month numbered 74 more than in the previous month, but 4 fewer than the mean of the numbers of the three preceding months, and 195 fewer than in December of last year. The illegitimate children of the month number 49 more than in the previous month, and 19 more than the mean of the three preceding months, but 39 fewer than in December of last year. The illegitimate rate is 0·9 more than in the previous month, but 0·4 less than the mean of those of the three preceding months, and 0·4 less than in December of last year. In the individual towns this rate varied from 12·3 in Kirkcaldy, 9·6 in Kilmarnock, 8·8 in Edinburgh, and 8·8 in Ayr, to 2·4 in Clydebank, 2·4 in Hamilton, and 2·9 in Motherwell and Wishaw. In Perth it was 8·5, in Dundee 7·8, in Aberdeen 6·8, in Glasgow 6·3, in Dunfermline 6·2, in Greenock 6·0, in Falkirk 5·7, in Coatbridge 4·7, and in Paisley 4·2.

Marriages registered in these towns during the month numbered 2002. This number is 893 more than in the previous month, 409 more than the mean of those of the three preceding months, and 199 more than in December of last year. The monthly marriage-rate was 9·8 per thousand. It is 4·2 more than that

of the previous month, 1·8 more than the mean of those of the three preceding months, and 0·8 more than that of December of last year. In the individual towns the marriage-rate varied from 12·1 in Ayr, 10·8 in Aberdeen, and 10·6 in Edinburgh, to 5·7 in Clydebank, 5·8 in Hamilton, and 6·5 in Falkirk. In Perth this rate was 10·3, in Dundee 10·2, in Glasgow 10·0, in Kirkcaldy 9·7, in Kilmarnock 9·7, in Paisley 9·3, in Greenock 8·9, in Dunfermline 8·6, in Motherwell and Wishaw 8·5, and in Coatbridge 7·6.

Deaths registered in these towns numbered 3418, of which 1736 were males, and 1682 were females. Compared with the number in the previous month, that of males is 366 more and that of females 290 more. These deaths include those of 288 persons with usual residence outwith the town of registration, but exclude those of 144 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 144, falls to be deducted to get the corrected number, which is thus found to be 3274. This number is 615 more than that of the previous month, 877 more than the mean of those of the three preceding months, and 415 more than that of December of last year.

The monthly death-rate, based on the corrected number of deaths, is 16·1 per thousand. This rate is 2·6 more than that of the previous month, 4·1 more than the mean of the numbers of the three preceding months, and 1·9 more than that of December of last year. In the individual towns this rate varied from 18·8 in Glasgow, 16·7 in Perth, and 15·8 in Kilmarnock, to 9·4 in Kirkcaldy, 9·9 in Falkirk, and 10·2 in Clydebank. In Dundee it was 15·6, in Edinburgh 14·9, in Coatbridge 14·7, in Hamilton 14·6, in Aberdeen 13·7, in Paisley 13·6, in Greenock 13·6, in Ayr 13·1, in Motherwell and Wishaw 12·8, and in Dunfermline, 11·8.

Deaths of children of less than one year old numbered 485. This number is 131 more than that of the previous month, and 150 more than the mean of the numbers of the three preceding months, but 94 fewer than in December of last year. These deaths equal an infantile mortality rate of 98 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 25 more than that of the previous month, and 29 more than the mean of the numbers of the three preceding months, but is 15 fewer than that of December of last year. In the individual towns this death-rate varied from 133 in Perth, 114 in Glasgow, and 113 in Aberdeen, to 29 in Falkirk, 39 in Kirkcaldy, and 41 in Coatbridge. In Dunfermline this rate was 111, in Paisley 105, in Motherwell and Wishaw 89, in Dundee 88, in Greenock 86, in Kilmarnock 83, in Clydebank 78, in Edinburgh 76, in Hamilton 75, and in Ayr 53.

Deaths from the principal epidemic diseases numbered 339, and equalled a death-rate of 1·7 per thousand. These deaths are 98 more than in the previous month, 158 more than the mean of the three preceding months, and 103 more than in December of last year. This rate is 0·5 more than in the previous month, 0·8 more than the mean of the three preceding months, and 0·5 more than in December of last year. These 339 deaths include 2 from enteric fever, 190 from measles, 21 from scarlet fever, 57 from whooping-cough, 32 from diphtheria, and 37 from the diarrhœas of childhood. Compared with the number in the previous month, deaths from measles are 71 more, from whooping-cough 22 more, from the diarrhœas of childhood 6 more, and from scarlet fever 5 more, but those from enteric fever are 1 fewer, and from diphtheria 5 fewer.

Deaths from influenza numbered 32. In November they numbered 18, in October 9, and in September 8.

Deaths from respiratory diseases, other than phthisis, and exclusive of those associated with influenza, numbered 677, and included 300 from pneumonia and 317 from bronchitis. Collectively these deaths numbered 272 more than in the previous month, and 90 more than in December of last year.

Deaths from all forms of tuberculosis numbered 268, of which 201 were ascribed to tuberculosis of the respiratory system. The former number is 18 more than in the previous month, and 37 more than in December of last year. The latter number is 28 more than in the previous month, and 33 more than in December of last year.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1923.

Mean barometric pressure, 29·817 in.; greater than the average of 1881–1915 by 0·075 in.

Mean temperature, 37°·8; less by 0°·9.

Mean daily range of temperature, 8°·3; less by 0°·8.

Rain, depth in inches, 3·56; less by 0·47 in.

Wind, direction of: a 3 days' excess of north-westerly winds.

Hence the month was characterised by a slightly high mean pressure; a slightly low mean temperature, with a slightly low mean daily range; a low mean rainfall; and an excess of north-westerly winds.

The mean pressure was higher than in any month since July, and at times conditions were anticyclonic and favourable to the formation of fog. In general, however, with pressure over the Icelandic region low or very low there was a steep gradient over Scotland. Notable pressure fluctuations occurred,—on 5th, when a "Low" moved on a south-easterly track over Ireland; and on 25th and 26th, when a "Low," which lay to the north of Ireland on the evening of 25th, moved very rapidly and reached Holland by the morning of 26th.

The cold weather which had been much in evidence during November persisted until about 9th December when a more southerly air current brought a decided rise of temperature, which lasted, with minor fluctuations, for about a week (55° at Kettins on 16th). From 19th onwards there was very much cold weather, with lowest readings on 25th (6° at Braemar) or on 29th (13° at Eskdalemuir). The week ending on 29th was much the coldest week of 1923, *e.g.* Nairn and Edinburgh had a mean temperature about 10° below that ending on 15th. At Nairn on 26th temperature did not rise above 29°.

Rather heavy rains, with snow at some higher levels, occurred early in the month, and from 9th to 16th, especially in the west—at Arrochar 1·20 in. on 9th. Thereafter precipitation was mostly in the form of snow with some fairly large "rainfall equivalents" on 25th and 26th, with rather heavy rain again at the end of the month. Relatively to the normal aggregates varied considerably, with a fairly well-defined excess towards south-west and north-east and a general deficiency in central and a great part of north-western Scotland.

There was much stormy weather, notably round 7th and during the third week. Very wintry conditions set in on 19th, with snow in the north for two or three days, and on afternoon of 25th a severe snowstorm became general with further falls in some districts on 26th. At *e.g.* Galashiels and in parts of the Glasgow area the depth was as much as 8 in. With rain and a rising temperature after the snowstorm some flooding occurred. At Braemar "snow-lying" was reported from 1st to 7th, from 9th to 11th, and from 19th to 29th,—as much as 8 in. on 2nd.

Thunder was reported in Sutherlandshire on 19th.

Sunshine aggregates as a rule slightly exceeded the normal, and in the east about half the totals were accounted for between 18th and 20th and between 22nd and 24th. Much fog occurred from 25th onwards.

Aurora was observed at Gordon Castle on 19th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological table on p. 96

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, December 1923.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1923.	Males.	Females.	Total.	Legitimate.	Illegitimate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,034,174	1,041,400	1120	1031	2151	2016	135	886	877	833	1710	115	65	1660
EDINBURGH,	420,264	426,000	359	342	701	639	62	384	296	305	601	73	10	538
DUNDEE,	168,315	176,000	199	171	370	341	29	153	121	121	242	15	6	233
ABERDEEN,	158,963	160,200	158	166	324	302	22	147	100	105	205	29	11	187
PAISLEY,	84,837	85,900	79	65	144	138	6	68	37	63	100	6	5	99
GREENOCK,	81,123	81,600	88	80	168	158	10	62	58	39	97	3	0	94
MOTHERWELL AND WISHAW,	68 869	71,700	78	62	140	136	4	52	36	35	71	2	9	78
CLYDEBANK,	46,506	47,200	44	40	84	82	2	23	22	14	36	0	5	41
COATBRIDGE,	43,969	44,800	43	43	86	82	4	29	34	14	48	0	8	56
DUNFERMLINE,	39,899	41,000	34	31	65	61	4	30	25	23	48	9	2	41
KIRKCALDY,	39,591	40,200	39	26	65	57	8	33	14	15	29	2	5	32
HAMILTON,	39,420	40,300	46	37	83	81	2	20	25	17	42	0	8	50
KILMARNOCK,	35,911	36,500	37	46	83	75	8	30	25	30	55	10	4	49
AYR,	35,763	36,100	27	30	57	52	5	37	16	29	45	9	4	40
FALKIRK,	33,308	34,500	36	17	53	50	3	19	19	15	34	6	1	29
PERTH,	33,208	33,200	25	22	47	43	4	29	31	24	55	9	1	47
Total (Sixteen Towns)	2,364,060	2,396,600	2412	2209	4621	4313	308	2002	1736	1682	3418	288	144	3274

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, December 1923.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncorrected.	Corrected.						
GLASGOW,	24·3	6·3	10·0	19·3	18·8	5·1	1·8	1·3	4·4	262	114
EDINBURGH,	19·4	8·8	10·6	16·6	14·9	0·4	1·1	0·9	2·5	58	76
DUNDEE,	24·8	7·8	10·2	16·2	15·6	0·6	0·9	0·7	2·9	32	88
ABERDEEN,	23·8	6·8	10·8	15·1	13·7	0·2	1·0	0·8	2·0	37	113
PAISLEY,	19·7	4·2	9·3	13·7	13·6	1·5	0·8	0·5	2·6	18	105
GREENOCK,	24·2	6·0	8·9	14·0	13·6	0·6	0·6	0·6	2·5	16	86
MOTHERWELL AND WISHAW,	23·0	2·9	8 5	11·7	12·8	1·5	0 8	0·5	3·0	13	89
CLYDEBANK,	21·0	2·4	5·7	9·0	10 2	0·2	1·0	1·0	3 2	7	78
COATBRIDGE,	22·6	4·7	7 6	12·6	14·7	0·8	1·6	1·1	3·2	4	41
DUNFERMLINE,	18·7	6·2	8·6	13·8	11·8	0·3	1·1	0·6	1·1	8	111
KIRKCALDY,	19·0	12·3	9·7	8·5	9·4	0·0	0 9	0 6	1·5	3	39
HAMILTON,	24·2	2·4	5·8	12·3	14·6	0·6	0·9	0·3	3·8	7	75
KILMARNOCK,	26·8	9·6	9·7	17·7	15·8	0·0	0 0	0·0	4·2	6	83
AYR,	18·6	8·8	12·1	14·7	13·1	1·6	0·7	0·7	1·6	4	53
FALKIRK,	18·1	5·7	6·5	11·6	9 9	0·0	1·7	1·4	0·7	2	29
PERTH,	16·7	8·5	10 3	19·5	16·7	0·4	0·4	0·4	2·1	8	133
Total (Sixteen Towns)	22·7	6·7	9·8	16·8	16·1	1·7	1·3	1 0	3·3	485	98

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC. FOR DECEMBER 1923, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Seven Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhœa (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
DEC. 1923, .	**22·7**	**6·7**	**9·8**	**16·1**	**2**	**0**	**190**	**21**	**57**	**32**	**37**	**98**	**37°·8**
DEC. 1922, .	24·1	7·1	9·0	14·2	3	0	92	20	53	34	34	113	41°·3
DEC. 1921, .	26·1	6·3	10·0	14·7	2	0	77	14	26	32	43	89	43°·3
DEC. 1920, .	27·3	8·5	13·2	17·6	3	4	12	10	36	36	47	119	38°·7
DEC. 1919, .	33·0	7·3	14·4	15·5	3	0	60	19	20	47	49	122	38°·9
DEC. 1918, .	19·4	9·8	10·8	17·7	3	0	3	9	55	40	32	129	41°·1
DEC. 1917, .	18·2	9·2	9·8	14·5	7	0	64	8	54	50	45	124	37°·0
DEC. 1916, .	21·1	8·5	9·2	17·5	5	0	51	14	34	25	54	122	37°·7
DEC. 1915, .	23·2	6·9	11·2	19·6	3	0	106	73	17	65	56	126	38°·0
DEC. 1914, .	25·7	7·0	10·0	18·9	11	0	19	71	156	66	60	147	37°·9
DEC. 1913, .	27·2	6·9	10·5	18·1	6	0	184	45	26	62	56	157	39°·8

Figures in Columns 5–13 have been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1923.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	2	1		–	–	–	–	–	–	2	–	–	–	–	–
Typhus Fever	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Small-pox	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Measles	190	105	85	43	139	5	1	1	–	1	–	–	–	–	–
Scarlet Fever	21	11	10	2	12	3	1	1	1	1	–	–	–	–	–
Whooping-cough	57	22	35	18	38	1	–	–	–	–	–	–	–	–	–
Diphtheria	32	18	14	3	18	10	1	–	–	–	–	–	–	–	–
Influenza	32	14	18	1	2	2	–	2	1	2	5	5	5	5	2
Encephalitis Lethargica	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebro-spinal Meningitis	4	1	3	1	2	–	1	–	–	–	–	–	–	–	–
Other Epidemic Diseases	7	4	3	3	1	–	–	–	–	–	–	–	1	2	–
Tuberculosis of Respiratory System	201	110	91	2	6	1	4	42	45	39	36	16	10	–	–
Tuberculous Meningitis	22	14	8	8	8	3	2	–	1	–	–	–	–	–	–
Tuberculosis of Intestines and Peritoneum	16	5	11	1	6	3	–	4	1	–	–	1	–	–	–
Other Tuberculous Disease	29	11	18	2	4	4	1	5	6	2	–	3	2	–	–
Malignant Tumours	285	132	153	–	–	–	–	3	4	18	46	91	89	30	4
Rheumatic Fever	9	3	6	–	–	1	1	3	1	1	–	–	2	–	–
Meningitis (not Cer.-spin. or Tuberc.)	28	12	16	12	8	2	1	1	2	1	1	–	–	–	–
Apoplexy	276	131	145	–	–	–	–	–	1	8	28	58	104	64	13
Heart Disease	266	112	154	–	–	–	1	3	10	24	29	55	92	41	11
Diseases of Arteries	44	22	22	–	–	–	–	1	–	–	2	5	10	19	7
Bronchitis	317	151	166	23	5	1	–	2	5	13	27	65	92	74	10
Pneumonia (all forms)	300	168	132	59	64	6	1	9	15	19	28	37	41	18	3
Other Diseases of Respiratory System	60	33	27	9	6	2	1	1	3	7	3	7	9	8	4
Diarrhœa and Enteritis (under 2 years)	37	19	18	31	6	–	–	–	–	–	–	–	–	–	–
Appendicitis	18	6	12	–	–	3	2	5	1	1	3	2	1	–	–
All Diseases of Liver (not Malignant)	13	6	7	–	–	–	–	–	–	2	2	6	1	1	1
Nephritis, Acute and Chronic	90	49	41	–	3	–	1	2	5	10	24	19	16	8	2
Puerperal Sepsis	11	–	11	–	–	–	–	2	7	2	–	–	–	–	–
Other Dis. & Accidents of Preg. & Part.	22	–	22	–	–	–	–	3	10	9	–	–	–	–	–
Diseases of Early Infancy and Malform.	215	134	81	213	1	1	–	–	–	–	–	–	–	–	–
Suicide	15	10	5	–	–	–	–	1	2	1	3	6	2	–	–
Other Violent Deaths	103	70	33	6	21	3	3	6	6	13	12	13	13	6	1
Other Defined Diseases	501	243	258	45	18	3	1	20	21	30	51	49	115	113	35
Causes Ill-defined or Unknown	51	25	26	3	1	1	–	1	1	3	6	14	12	8	1
	3274	1642	1632	485	369	55	23	118	149	209	306	452	617	397	94

DEATHS IN EACH TOWN (corrected for Transfers)—December 1923.

CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	2	2	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	190	181	...	1	...	6	...	1	...
Scarlet Fever	21	7	5	4	...	...	1	3	...
Whooping-cough	57	44	1	...	1	2	1	1	1
Diphtheria	32	20	7	2	1	...	1	1	...
Influenza	32	11	5	4	3	...	1	2	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	4	4	...	...	...	...	...	...	...
Other Epidemic Diseases	7	5	1	...	...	...	...	...	...
Tuberculosis of Respiratory System ...	201	116	33	10	11	4	4	3	4
Tuberculous Meningitis	22	16	...	...	1	...	...	2	...
Tuber. of Intestines and Peritoneum	16	9	3	1	...	1	...	...	...
Other Tuberculous Disease	29	17	3	3	2	1	...	...	...
Malignant Tumours	285	127	67	23	16	11	7	2	1
Rheumatic Fever	9	5	...	...	1	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	28	9	3	5	1	...	5	...	...
Apoplexy	276	112	53	30	21	7	8	7	6
Heart Disease	266	102	70	21	19	10	4	9	3
Diseases of Arteries	44	9	11	5	11	...	...	...	...
Bronchitis	317	170	49	20	16	7	9	7	7
Pneumonia (all forms)	300	191	35	18	7	9	5	8	6
Other Diseases of Respiratory System	60	28	7	5	4	3	3	3	...
Diarrhœa and Enteritis (under 2 years)	37	21	2	2	1	3	1	3	...
Appendicitis	18	8	4	1	1	...	1	1	...
All Diseases of Liver (not Malignant)	13	5	1	...	...	...	2	2	...
Nephritis, Acute and Chronic ...	90	46	14	6	4	2	3	1	1
Puerperal Sepsis	11	7	1	1	...	...	...	2	...
Other Diseases and Accidents of Pregnancy and Parturition	22	10	1	1	2	...	...	2	...
Dis. of Early Infancy and Malformations	215	79	33	16	26	10	10	6	6
Suicide	15	2	8	2	1	...	...	...	...
Other Violent Deaths	103	35	28	6	4	5	6	2	...
Other Defined Diseases	501	230	89	41	29	18	21	9	6
Causes Ill-defined or Unknown ...	51	32	4	5	4	...	1	1	...
All Causes ...	3274	1660	538	233	187	99	94	78	41
AGE AT DEATH.									
Under 1	485	262	58	32	37	18	16	13	7
1– 4	369	271	21	9	10	8	13	10	4
5– 9	55	31	6	2	...	3	2	3	...
10–14	23	13	2	...	...	2	1	...	...
15–24	118	56	20	9	5	1	3	3	...
25–34	149	74	24	8	8	4	4	8	4
35–44	209	110	33	16	10	10	3	5	5
45–54	306	164	49	20	16	7	7	8	3
55–64	452	215	88	32	23	10	14	9	7
65–74	617	277	132	57	32	18	19	7	8
75–84	397	153	81	36	39	15	12	9	2
85 and over	94	34	24	12	7	3	...	3	1
All Ages ...	3274	1660	538	233	187	99	94	78	41

DEATHS IN EACH TOWN (corrected for Transfers)—December 1923—*continued.*

CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...
Measles	1	...	...	...	...	...	...	...
Scarlet Fever	1	...	...	...	...	...	...	...
Whooping-cough	...	...	...	2	...	4	...	...
Diphtheria	...	...	...	...	...	...	...	...
Influenza...	...	1	1	...	1	2	...	1
Encephalitis Lethargica	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	1	...	...
Tuberculosis of Respiratory System ...	4	2	2	1	...	2	4	1
Tuberculous Meningitis	1	...	1	1	...	...	...	...
Tuber. of Intestines and Peritoneum ...	1	...	...	1	...	...	...	...
Other Tuberculous Disease	...	2	...	...	...	...	1	...
Malignant Tumours	5	4	4	4	7	1	3	3
Rheumatic Fever	2	...	...	...	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	2	2	...	...	...	...	...	1
Apoplexy	7	4	7	1	2	4	5	2
Heart Disease	3	2	...	7	1	7	2	6
Diseases of Arteries	...	...	1	...	2	1	1	3
Bronchitis	9	2	2	5	8	1	1	4
Pneumonia (all forms)	3	2	...	6	5	3	1	1
Other Diseases of Respiratory System	...	...	3	2	...	1	...	1
Diarrhœa and Enteritis (under 2 years)	1	1	...	...	...	1	...	1
Appendicitis	...	1	...	1	...	...	...	...
All Diseases of Liver (not Malignant)	1	...	1	...	...	1	...	...
Nephritis, Acute and Chronic... ...	2	2	3	3	1	1	1	...
Puerperal Sepsis	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	2	...	...	2	...	1	1
Dis. of Early Infancy and Malformations	2	6	2	3	5	2	2	7
Suicide	...	...	1	...	1	...	...	...
Other Violent Deaths	5	2	...	2	4	1	...	3
Other Defined Diseases	6	5	4	9	9	6	7	12
Causes Ill-defined or Unknown ...	...	1	...	2	...	1	...	...
All Causes ...	56	41	32	50	49	40	29	47
AGE AT DEATH.								
Under 1	4	8	3	7	6	4	2	8
1– 4	11	...	1	3	2	4	1	1
5– 9	1	3	1	...	...	...	1	2
10–14	...	...	1	1	1	...	...	2
15–24	3	1	1	7	2	3	3	1
25–34	2	3	1	...	3	2	3	1
35–44	2	3	1	1	3	3	2	2
45–54	9	5	4	3	5	4	1	1
55–64	5	7	3	11	9	5	4	10
65–74	12	5	7	6	13	9	5	10
75–84	6	4	6	11	4	6	6	7
85 and over	1	2	3	...	1	...	1	2
All Ages ...	56	41	32	50	49	40	29	47

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH, During the Month of DECEMBER 1923.

OBSERVERS.	Height of Station above Sea-level.	BAROMETER. Mean at Station and 32°.	BAROMETER. Mean at Sea-Level and 32°.	AIR TEMPERATURE. Mean of Maximum (A).	AIR TEMPERATURE. Mean of Minimum (B.)	AIR TEMPERATURE. Mean of A and B (Mean Temperature).	AIR TEMPERATURE. Difference from Average, 1881–1915.	AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	AIR TEMPERATURE. Absolute Maximum and Minimum. Minimum.	AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Depression of Wet Bulb.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Vapour Pressure.	HYGROMETER. Mean at 9 A.M. and 9 P.M. Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	RAIN, AND OTHER FORMS OF PRECIPITATION. Total Fall.	RAIN, AND OTHER FORMS OF PRECIPITATION. Difference from Average, 1881–1915.	WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	feet.	inch.	inch.	°	°	°	°	°		°		°	°	inch.	per cent.		inch.	inch.									
GLASGOW.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·345	29·834	42·1	34·2	38·2	−0·7	50	11, 22	27	25*th*	37·9	1·8	·193	85	19	2·35	+0·21	0	1	0	5	4	12	19	11	10
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·616	29·802	40·5	32·3	36·4	−1·2	52	16*th*	23	29*th*	36·6	1·0	·197	91	18	2·85	+0·19	1	3	0	8	0	30	0	20	0
ABERDEEN,* The Meteorological Office.	90	29·672	29·774	40·6	34·5	37·6	−1·0	53	16*th*	26	27*th*	37·8	1·1	·206	91	26	4·16	+0·94	2	2	1	2	9	16	13	15	2
PAISLEY, The Coats Observatory.	107	29·723	29·844	42·3	34·8	38·6	−1·3	51	17*th*	23	29*th*	38·7	1·2	·212	91	25	4·02	−1·03	2	1	6	0	8	8	11	11	15
GREENOCK,† J. MACALISTER, A.M.Inst., C.E., Greenock Waterworks.	233	29·581	29·844	(43·0)	35·8	39·4	0·0	..	..	29	25, 29	39·1	1·5	·209	88	25	5·81	−2·08	0	1	7	7	0	13	23	9	2
PERTH,† J. RITCHIE, Jr., The Museum.	22	29·777	29·802	42·6	30·0	36·3	−1·2	54	16*th*	12	29*th*	35·9	1·2	·190	90	10	2·19	−1·04	14	3	5	2	0	16	6	16	0
Means	176	29·619	29·817	41·9	33·6	37·8	−0·9	..	..	..	..	37·7	1·3	·201	89	21	3·56	−0·47	3	2	3	4	3	16	12	14	5

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′ Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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